

Federal Highway Administration











Journey to Work Trends in the United States and its Major Metropolitan Areas 1960-2000

Notice

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		Fechnical Report Documents	ation Page
1. Report No. FHWA-EP-03-058	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle	The second secon	5. Report Date	6/30/2003
Journey to Work in the U Metropolitan Areas	nited States and its Major - 1960 - 2000	6. Performing Organization C	
7. Author(s) Nancy A. McGuckin, Tra Nanda Srinivasan, Cambi	2	8. Performing Organization R	eport No.
9. Performing Organization Name a	and Address	10. Work Unit no. (TRAIS)	
		11. Contract or Grant No.	10 pm (100 pm
12. Sponsoring Agency Name and A U.S. Department of Tra Federal Highway Adm	ansportation	13. Type of Report and Period	Covered
Office of Planning Washington, D.C. 205		14. Sponsoring Agency Code	1,100
	Factfinder: http://factfinder.census	s.gov	
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19. Security Classification Unclassified	20. Security Classification Unclassified	21. No. of Pages	22. Price
Form DOT F 1700.7 (8-72)	Reproduction of completed page au	thorized	

Journey-to-Work Trends in the United States and its Major Metropolitan Areas, 1960-2000

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US Department of Transportation
Federal Highway Administration
Office of Planning

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FHWA-EP-03-058

Abstract:

This report identifies and presents the changes that have occurred from 1960 to 2000 in population and demographics, worker characteristics, means of travel to work, time of travel to work, vehicle availability, and geographic flows in the United States and its major metropolitan areas. The data presented are based on the U.S. Bureau of the Census decennial population counts and sample data (Summary File 1 and Summary File 3), and the county-to-county worker flow and migration tables.

Chapter 1 of the report looks at the national trends in terms of population and workforce growth, the change in household structure, and outlines some regional and state trends. In Chapter 2 we examine the trends in large metro areas in demographics related to travel. Chapter 3 examines the demographics of the changes in relation to travel, focusing on the trends within the 49 metropolitan areas (not including San Juan, Puerto Rico) that have over 1,000,000 people in residence as reported in the 2000 Census. Chapter 4 examines the changes in place of work, residence location, and travel time. Chapter 5 looks at means of transportation and Chapter 6 looks at vehicle availability. The profile section includes a map of each of the 49 MSAs followed by a detailed profile sheet describing the change in travel characteristics seen from the census for that MSA.

Acknowledgements:

The authors wish to acknowledge Elaine Murakami of the Office of Planning, Federal Highway Administration, for her thoughtful advice, insightful comments, and continuous support.

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ORGANIZATION OF THIS REPORT

In the chapters that follow, we first look at the national trends in terms of population and workforce growth, the change in household structure, and outline some regional and state trends. Chapter 3 examines the demographics of the changes in relation to travel, focusing on the trends within the 49 metropolitan areas (not including San Juan, Puerto Rico) that have over 1,000,000 people in residence as reported in the 2000 Census. Chapter 4 examines the changes in place of work, residence location, and travel time. Chapter 5 looks at means of transportation and Chapter 6 looks at vehicle availability. The profile section includes a map of each of the 49 MSAs followed by a detailed profile sheet.

The terms "metro area," "metropolitan area" (MA), and "metropolitan statistical area" (MSA) are used interchangeably in this report. Exhibit A shows the long names of the metro areas, and the corresponding short names used in the report.

The United States Office of Management and Budget (OMB) defines metropolitan areas (MAs) according to published standards that are applied to Census Bureau data. MAs in this report are based on application of 1990 standards (which appeared in the Federal Register on March 30, 1990) to 1990 decennial census data and to subsequent Census Bureau population estimates and special census data. This report uses the June 30, 1999 definition of MAs (new definitions were published by OMB on June 3, 2003, but are not used in this report).

The general concept of an MA is that of a core area containing a large population nucleus, together with adjacent communities having a high degree of economic and social integration with that core. The basic building block used in the 1999 definition is a county (except for the New England States where cities and towns are used as the building blocks). The core is usually a county/counties containing a city of population greater than 50,000 people OR a Census defined urbanized area. Outlying counties are added to the MA based on population density and commute behavior. Because the geographic grain size used in defining MSAs is large, it causes some difficulty in interpreting trends.

To analyze trends using a consistent geographic definition, all the data presented in this report use the June 1999 geographic definition of MSAs. Data for previous decades were obtained at the county level and aggregated to the June 1999 definition of MSAs. Therefore, the numbers presented in this report may not be the same as the numbers published in the previous versions of the report.

A metropolitan area is called a Consolidated Metropolitan Statistical Area (CMSA) if it meets requirements of an MSA, has a population of 1 million or more, if the component areas are recognized as primary metropolitan statistical areas (PMSA), and if local opinion favors the designation. For example, the Washington, D.C. CMSA incorporates the Washington, D.C. PMSA, Baltimore, MD PMSA, and Hagerstown, MD PMSA.

Exhibit A Naming Conventions Used in this Report Note: All data are sorted in the decreasing order of 2000 Population of MSA

Note: All data are sorted in the decreasing order of 2000 Population of MSA Complete Name	MSA Shortened Name	2000 Population
New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA	New York	21,199,865
Los Angeles-Riverside-Orange County, CA CMSA	Los Angeles	16,373,645
Chicago-Gary-Kenosha, IL-IN-WI CMSA	Chicago	9,157,540
Washington-Baltimore, DC-MD-VA-WV CMSA	Washington, DC	7,608,070
San Francisco-Oakland-San Jose, CA CMSA	San Francisco	
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA	Philadelphia	7,039,362
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA	Boston	6,188,463 5,819,100
Detroit-Ann Arbor-Flint, MI CMSA	Detroit	
Dallas-Fort Worth, TX CMSA	Dallas	5,456,428
Houston-Galveston-Brazoria, TX CMSA		5,221,801
Atlanta, GA MSA	Houston	4,669,571
Miami-Fort Lauderdale, FL CMSA	Atlanta	4,112,198
	Miami	3,876,380
Seattle-Tacoma-Bremerton, WA CMSA	Seattle	3,554,760
Phoenix-Mesa, AZ MSA	Phoenix	3,251,876
Minneapolis-St. Paul, MN-WI MSA	Minneapolis	2,968,806
Cleveland-Akron, OH CMSA	Cleveland	2,945,831
San Diego, CA MSA	San Diego	2,813,833
St. Louis, MO-IL MSA	St. Louis	2,603,607
Denver-Boulder-Greeley, CO CMSA	Denver	2,581,506
Tampa-St. Petersburg-Clearwater, FL MSA	Tampa	2,395,997
Pittsburgh, PA MSA	Pittsburgh	2,358,695
Portland-Salem, OR-WA CMSA	Portland	2,265,223
Cincinnati-Hamilton, OH-KY-IN CMSA	Cincinnati	1,979,202
Sacramento-Yolo, CA CMSA	Sacramento	1,796,857
Kansas City, MO-KS MSA	Kansas City	1,776,062
Milwaukee-Racine, WI CMSA	Milwaukee	1,689,572
Orlando, FL MSA	Orlando	1,644,561
Indianapolis, IN MSA	Indianapolis	1,607,486
San Antonio, TX MSA	San Antonio	1,592,383
Norfolk-Virginia Beach-Newport News, VA-NC MSA	Norfolk	1,569,541
Las Vegas, NV-AZ MSA	Las Vegas	1,563,282
Columbus, OH MSA	Columbus	1,540,157
Charlotte-Gastonia-Rock Hill, NC-SC MSA	Charlotte	1,499,293
New Orleans, LA MSA	New Orleans	1,337,726
Salt Lake City-Ogden, UT MSA	Salt Lake City	1,333,914
Greensboro-Winston-Salem-High Point, NC MSA	Greensboro	1,251,509
Austin-San Marcos, TX MSA	Austin	1,249,763
Nashville, TN MSA	Nashville	1,231,311
Providence-Fall River-Warwick, RI-MA MSA	Providence	1,188,613
Raleigh-Durham-Chapel Hill, NC MSA	Raleigh	1,187,941
Hartford, CT MSA	Hartford	1,183,110
Buffalo-Niagara Falls, NY MSA	Buffalo	1,170,111
Memphis, TN-AR-MS MSA	Memphis	1,135,614
West Palm Beach-Boca Raton, FL MSA	West Palm Beach	1,131,184
Jacksonville, FL MSA	Jacksonville	1,100,491
Rochester, NY MSA	Rochester	1,098,201
Grand Rapids-Muskegon-Holland, MI MSA	Grand Rapids	1,088,514
Oklahoma City, OK MSA	Oklahoma City	1,083,346
Louisville, KY-IN MSA	Louisville	1,025,598
Louistino, IXI -III IMDIA	Louisville	1,023,398

Executive Summary

The pattern of commutes in American is affected by worker characteristics, the supply and location of jobs and housing, and the time and convenience of various modes of commuting. This report explores the changes in these conditions and the changes in commute characteristics of U.S. workers by looking at the last forty years of data from the U.S. Decennial Census. First, a national overview is presented and then the metropolitan areas are analyzed.

The work trip is often the longest distance we travel, and our work location provides a sphere of activity that anchors some of our travel, either in stops we make between home and work or in trips we make around our workplace. The commute trip is so important in understanding people's daily travel that information about the commute has been included in the U.S. decennial census. Therefore, we have detailed demographic and geographic information on US residents' travel to work over a long period of time.

The U.S. Census started including questions about commuting in 1960, so with the 2000 Census we have 40 years of decennial data. Some of the changes that impact commuting trends are:

- Changes in family structure and workforce composition,
- Growth in area, population, and workers in suburban counties of major MSAs,
- Large increases in households with multiple vehicles, and
- Increases in private vehicle use and significant increases in commute times.

Household structure and workforce composition have changed dramatically.

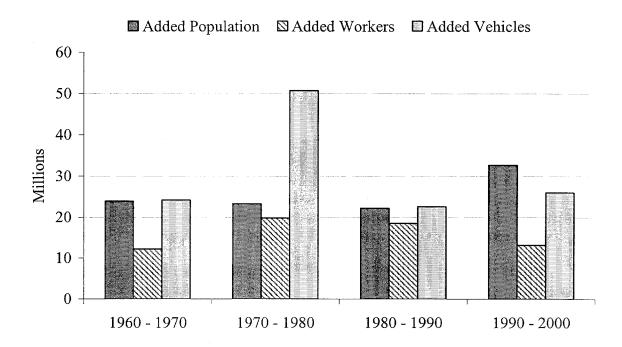
In 1960, over half (52 percent) of the family households consisted of married couple with children. In 2000, nuclear families with children account for just over a third (35 percent) of U.S. family households—eclipsed for the first time in history by single-person households.

The most dramatic change in the workforce is the inclusion of women--61 percent of women work today compared to just 38 percent in 1960. The shift from single-earner to dual-earner families fueled the rise in household income, and household vehicle ownership, and such phenomenon as the decline in multi-occupant vehicles and the rise in trip chaining.

However, the huge increase in workers in the U.S. may be near an end as the baby boomers age into retirement years. Between 1960 and 2000, the U.S. added 63.6 million workers, 1.2 new workers for every new person. In the most recent decade, 1990 – 2000, the number of workers being added to the labor force was less than previous decades (See Exhibit B).

The U.S. is an aging society—the baby boomers will begin to reach retirement age by 2010. Baby boomers may delay retirement just as they have delayed other major life stages (marriage, children, etc.), but eventually older workers will stop working.

Exhibit B Added Population, Vehicles and Workers per Decade: 1960-2000



Immigration may be a source to fill the worker void left by retiring baby-boomers. The largest MSAs currently account for 81.4 percent of the total foreign-born population of the U.S. Policy decisions determine the amount of allowable immigration each year, but if trends continue foreign-born people will be a large factor in population and worker growth in the U.S. New immigrants to the U.S. are less dependent on auto travel than native-born people, but as they stay longer, their travel becomes more Americanized.

The added population and workers settled in suburban areas of major MSAs. MSAs continue to grow in both area and population. The land area of the major metropolitan areas grew as fringe counties were adopted into the metro area, and both jobs and housing have grown outside the traditional urban centers (Exhibit C).

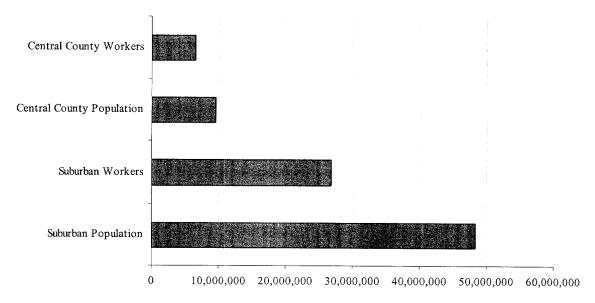
In 1960, there were 34 metro areas of over 1 million residents; in 1990, there were 39 areas with one million residents or more; in 2000, there were 49 large MSAs. Looking at the same metropolitan areas in 1960 and 2000 shows the growth of population and workers in suburban counties by far outpaced the growth in central counties.

On a national level, the decentralization of workers and jobs is taking place both relatively and absolutely to a much greater degree in the South and the West¹—areas that are high growth with a lot of migrants and immigrants, added workers, and new housing development.

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¹ "Costs of Sprawl—2000" TCRP Report 74, Transportation Research Board p. 3

Exhibit C Added Number of People and Workers (Millions) – 39 MSAs with Population over a Million in 1960: 1960-2000



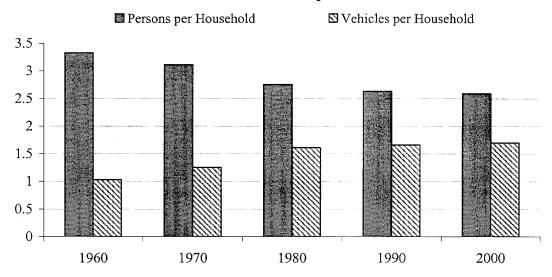
The 49 major metropolitan areas in the U.S. are the focus of this report and account for:

- 57% of the total population in the US.
- 59% of all workers.
- 54% of population over the age of 65.
- 56% of traditional families (married couples with children).
- 57% of all occupied housing units (or households).
- 53% of households with income in 1999 below poverty level.
- 69% of the households without vehicles. New York MSA alone accounts for one out of five households in the country without vehicles.

While households have been getting smaller, the number of vehicles per household has increased.

Average household size went from 3.3 in 1960 to 2.6 in 2000, a decline of over one-fifth. At the same time, vehicles per household rose from just over 1.0 to about 1.7, an increase of almost two-thirds (Exhibit D).

Exhibit D Household Size and Auto-ownership: 1960-2000



The use of private vehicle as a means of travel to work has increased.

The census shows that in 2000 three-quarters of commuters drove alone to work (75.7 percent), followed by carpooling (12.2 percent), transit (4.7 percent), work at home (3.3 percent) and walk (2.9 percent).

In 1960, 41 million commuters were in private vehicles; by 2000, 113 million workers commuted by private vehicle, nearly three times as many (See Exhibit E). Between 1990 and 2000, drove alone continued to increase, as carpools continued to drop. By 2000, the average vehicle occupancy for the commute trip was 1.08.

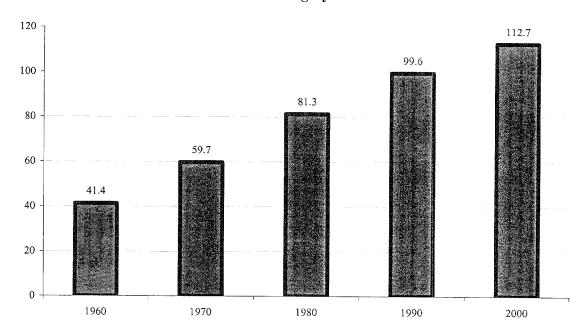


Exhibit E Number of Workers Commuting by Private Vehicle: 1960-2000

The total number of workers increased in the 1990s but the number of workers using transit stayed about the same (6 million workers commute by transit). Therefore the proportion of commuters by transit, or the mode share for transit, has slightly declined.

African-Americans and Hispanics are more likely to take transit for commuting even for households where one or two vehicles are available for use. This may be due to the location of black and Hispanic households in central cities and older suburbs that have greater transit accessibility.

Work at home increased in the 1990s, and the nature of jobs usually conducted at home shifted. In the 1960s many people who worked at home were agricultural-based (farm) workers or professionals with home-based practices, in the 1990s the shift has been toward telecommuters who may work-at-home and in some other location.

The percent of workers with short commutes has declined and the percent of workers with long commutes has increased.

The average commute increased by 2.1 minutes ² between 1990 and 2000. This is much higher increase than the 40-second increase from 1980 to 1990. By examining the travel time distributions, we see a continued shift toward longer commutes.

² Census reports will show an increase of 3.1 minutes between 1990 and 2000, however, changes in coding procedures between 1990 and 2000 have created confounding problems in direct comparisons. In 1990, travel time of 100 minutes or more was coded as 99 minutes, whereas in 2000 the top-code was 200 minutes. This coding change results in more accurate results in 2000. The value of 2.1 was obtained by recalculating Census 2000 data using the same topcoding as 1990.

In 2000, 14 percent of workers traveled more than 45 minutes compared to 12 percent in 1990, and 29 percent commute less than 15 minutes, compared to 31 percent in 1990. Forty percent of the commuters in large metro areas travel over 30 minutes to work, oneway, on an average day.

The pressure of time is a major factor in the travel choices people make. In 2000, more workers are driving alone, more families are living and working in the suburbs and traveling on the highway system for part of their commute, and more workers are commuting over one hour to and from their jobs on an average day.

Changes in family structure, workforce characteristics, and vehicle availability have affected mode choice throughout the 70s and 80s. Over the years as automobiles became affordable and convenient as a means of transportation, more and more people became drivers. Commuters may have shifted to POV and then drove alone to save travel time as jobs and homes became more dispersed.

The 2000 Census shows large increases in travel time in all metropolitan areas, which suggests that workers may consider other modes if travel time can be shortened, may shift their work times (leading to peak-spreading), or may try or increase telecommuting.

Chapter 1

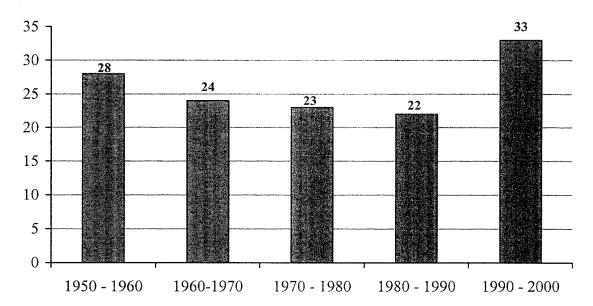
NATIONAL SUMMARY

This chapter of the report presents a national overview of the decennial data on demographic and commuting characteristics of the American public. The national picture not only allows comparison of individual metro areas with the country as a whole, but also with broad strokes paints a clear picture of changes commuters in America have adapted to over the last forty years. Exhibit 1.1 shows the journey-to-work data from the 1960, 1970, 1980, 1990 and 2000 decennial census for the nation as a whole.

Population

The U.S. population grew at an unexpected pace between 1990 and 2000, adding 32.7 million people (13.2 percent) over the ten-year period. This represents the largest numerical increase in population in any decade in American history. The previous record was the 28 million added between 1950 and 1960 at the apex of the baby boom. Exhibit 1.2 shows added population by decade starting from 1950.

Exhibit 1.2 Added Population per Decade (millions): 1960-2000



Decade	Added	Percent
	Population	Change
1950 - 1960	28 million	18.4%
1960 - 1970	24 million	13.4%
1970 - 1980	23 million	11.4%
1980 - 1990	22 million	9.8%
1990 - 2000	33 million	13.2%

Exhibit 1.1 National Summary Statistics: 1960-2000

							Perc	ent Ch	inge	
DATA ITEM	1960	1970	1980	1990	2000	1960-70	1970- 80	1980- 90	1990- 2000	1960- 2000
POPULATION	2509	5.0	200	177	2000	1200 70)"		2000
Total	179,323,175	203,211,926	226,545,805	248,709,873	281,421,906	13.3	11.5	9.8	13.2	56.9
Number of Households	53,022,121	63,444,750	80,389,673	91,993,582	105,539,122	19.7	26.7		ŀ	
Persons per Household	3.33	3.11	2.75	263	2.59	-6.6			ŀ	
Persons per Vehicle	3.27	2.57	1.75	1.63	1.58	-21.4		l		i I
Households per Vehicle	0.97	0.80	0.62	0.60	0.59	-17.0		1		
Urban Population (1)	125,268,750	149,646,029	167,050,992	187,051,543	222,360,539	19.5		ŀ		
Rural Population (1)	54,054,525	53,565,297	59,494,813	61,658,330	59,061,367	-0.9			ŀ	9.3
Percent Urban	69.86%	73.64%	73.74%	75.21%	79.01%					
WORKERS										
Total	64,655,805	76,852,389	96,617,296	115,070,274	128,279,228	18.9	25.7	19.1	11.5	98.4
Workers as Percent of Population	36.06%	37.82%	42.65%	46.27%	45.58%					
Worked in County of Residence	55,254,625	62,065,319	76,564,160	87,587,677	94,042,863	12.3	23.4	14.4	7.4	70.2
Worked Outside County of Residence	9,401,180	14,784,070	20,108,023	27,482,597	34,236,365	57.3	36.0	36.7	24.6	264.2
Workers per Household	1.22	1.21	1.20	1.25	1.22	-0.7	-0.8	4.1	-2.8	-0.3
Workers per Vehicle	1.18	0.97	0.74	0.76	0.72	-17.6	-23.5	1.4	-4.8	-39.1
COMMUTING										
Mean Travel Time to Work			21.7	22.4	25.5			3.2	13.8	na.
Private Vehicle (2)	41,368,062	59,722,550	81,258,496	99,592,932	112,736,101	44.1	34.0	22.0	13.2	172.5
% Private Vehicle	69.5%	80.6%	85.9%	88.0%	87.9%					
Public Transit (3)	7,806,932	6,810,458	6,175,061	6,069,589	6,067,703	-16.6	-7.8	-2.0	0.0	-22.3
% Transit	12.6%	8.5%	6.2%	5.1%	4.7%					
Walked to Work	6,416,343	5,689,819	5,413,248	4,488,886	3,758,982	-11.3	-4.9	-17.1	-16.3	-41.4
% Walked	10.4%	7.4%	5.6%	3.9%	2.9%					
Other	4,401,718	1,944,418	1,590,628	1,512,842	1,532,219	-28.6	-24.3	-30.4	1.3	-65.2
% Other	6.8%	2.5%	1.6%	1.3%	1.2%					
Worked at Home	4,662,750	2,685,144	2,179,863	3,406,025	4,184,223	-42.4	-18.8	56.2	22.8	-10.3
% Worked At Home	7.5%	3.5%	2.3%	3.0%	3.3%					
VEHICLES (4)										
Total Household Vehicles (4)	54,766,718	79,002,052	129,747,911	152,380,479	178,344,236	44.3	64.2	17.4	17.0	225.6
Vehicles per Household	1.03	1.25	1.61	1.66	1.69	20.6	29.6	2.6	2.0	63.6
Vehicles per Person	0.31	0.39	0.57	0.61	0.63	27.3	47.3	7.0	3.4	107.5
Vehicles per Worker	0.85	1.03	1.34	1.32	1.39	21.4	30.6	-1.4	5.0	64.1
Households with 0 Vehicles	11,416,835	11,081,394	10,390,307	10,602,297	10,861,067	-2.9	-6.2	2.0	2.4	-4.9
% with 0 Vehicles	21.53%	17.47%	12.92%	11.53%	10.29%					
Households with 1 Vehicle	30,189,103	30,268,323	28,564,622	31,038,711	36,123,613	0.3	-5.6	8.7	16.4	19.7
% with 1 Vehicle	56.94%	47.71%	35.53%	33.74%	34.23%					
Households with 2 Vehicles	10,073,684	18,599,907	27,347,235	34,361,045	40,461,920	84.6	47.0	25.6	17.8	301.7
% with 2 Vehicles	19.00%	29.32%	34.02%	37.35%	38.34%					
Households with 3+ Vehicles	1,342,499	3,495,126	14,087,509	15,945,357	18,033,501	160.3	303.1	13.2	13.1	1243.3
% with 3+ Vehicles	2.53%	5.51%	17.52%	17.33%	17.09%					

⁽¹⁾ Urban and Rural definitions for 2000 based on 2000 definition of urbanized areas and clusters.

⁽²⁾ Includes cars, trucks, and vans.

⁽³⁾ Public Transit includes bus, streetcar, subway, railroad, ferryboat, and taxicab.

⁽⁴⁾ Vehicles include automobile only for 1960 and 1970. For 1980 and 1990, Vehicles include cars, vans, and trucks of one ton capacity or less.

The Western region of the country grew fastest, adding 10 million people to the 53 million residents. The Southern region added 15 million and now is home to over 100 million of the country's people, 35.6 percent of the U.S. population, resides in the South. The Northeast grew by just 5.5 percent, and the Midwest added 7.9 percent to its population (see Exhibit 1.3).

Exhibit 1.3 Added Population by Region of the Country: 1990-2000

Region	1990	2000	Added	Percent
	Population	Population	Population	Change
U.S. Total	248,709,873	281,421,906	37,712,033	13.2%
Northeast	50,809,229	53,594,378	2,785,149	5.5%
Midwest	59,668,632	64,392,776	4,724,144	7.9%
South	85,445,930	100,236,820	14,790,890	17.3%
West	52,786,082	63,197,932	10,411,850	19.7%

Every state experienced some population growth in the last decade--the first time in the 20th century that this happened. The growth was not evenly distributed; growth rates ranged from 66 percent increase in population in Nevada to less than 1 percent in North Dakota.

Some states that exhibited very high population growth rates between 1980 and 1990 seem to be slowing down; although California added over 4 million people to its population it grew by only 14 percent compared to 26 percent in the 1980s. Florida grew by a whopping 24 percent in the last decade, but that looks like a slowing trend compared to the 33 percent growth in population in Florida in the 80s.

On the other hand, some states have surfaced as new population magnets, such as Arizona, Colorado, Georgia and Washington, which each added over one million residents in the 90s. The eleven fastest growing states together add 14 million people, nearly 42 percent of the total added population in the country as a whole. Nevada has had the fastest growth rate for each of the previous four decades (see Exhibit 1.4).

Exhibit 1.4 Fastest Growing States: 1990 - 2000

State	1990	2000	Added	Percent
	Population	Population	Population	Change
Nevada	1,201,833	1,998,257	796,424	66.3%
Arizona	3,665,228	5,130,632	1,465,404	40.0%
Colorado	3,294,394	4,301,261	1,006,867	30.6%
Utah	1,722,850	2,233,169	510,319	29.6%
Idaho	1,006,749	1,293,953	287,204	28.5%
Georgia	6,478,216	8,186,453	1,708,237	26.4%
Florida	12,937,926	15,982,378	3,044,452	23.5%
Texas	16,986,510	20,851,820	3,865,310	22.8%
Washington	4,866,692	5,894,121	1,027,429	21.1%
Oregon	2,842,321	3,421,399	579,078	20.4%
New Mexico	1,515,069	1,819,046	303,977	20.1%

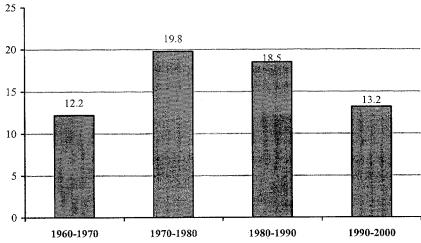
A national trend toward greater urbanization continued in the 1990s with over 80 percent of the population living in metropolitan areas, and almost three-fifths of the population of the country lives in a major metro area, an area with one million or more people. The total population within all metropolitan areas increased by 14 percent compared to 10 percent population growth in non-metropolitan areas. In 1960, there were only 34 metropolitan areas of 1 million or more; in 2000, there are 49 large metropolitan areas in the U.S. (San Juan, Puerto Rico is a metro area over one million, but is not included in this analysis).

Workers

In 1960, 65 million people were counted as workers in the Census, by the year 2000 that number nearly doubled to 128 million workers. Over 45 percent of the people in the U.S. are workers—reflecting the large population segment (baby boomers) now in their working years, and especially the high participation of women in the workforce.

The large additions to the U.S. workforce seen every decade since 1960 may be near an end as the baby boomers move through their working years and into retirement. Whereas the 33 million people were added to the population total for the country in the last decade, only 13.2 million workers were added—one worker added for every 2.5 added people. This certainly reverses a trend since in the previous forty years (since 1960) the U.S. added nearly 64 million workers, or 1.2 added workers for every added person (see Exhibit 1.5).

Exhibit 1.5 Added Number of Workers per Decade (Millions): 1960-2000



The number of workers in the U.S. has doubled since 1960. Nearly every worker is a commuter. In 1960, 43 million workers commuted by private vehicle, compared to 97 million workers commuting by private vehicle in the year 2000. Households have also declined in size, but over the last forty years the average number of workers per household remained close to the same, about 1.2 workers per household. The growth in

percent of workers kept pace with population growth in most areas—16 metro areas added 20 percent to their populations and 12 of those metro areas added 20 percent to their worker count.

From the longer vantage point of history, the entrance of large numbers of women into the workforce in the 20th century is as profound a change as the move from farm to factory in the 19th century. From 1900 through 2000 at any time about 80 percent of adult men have earned a wage. One hundred years ago, only about 20 percent of women earned wages, whereas today about 70 percent do (see Exhibit 1.6).

Exhibit 1.6 Trends in Worker Characteristics: 1960 and 2000

Eathort 1.0 Trends in Worker Characteristics. 1700 and 2000						
Workers	1960	2000				
National Total	64,655,805	128,279,228				
% of Population	36.1%	45.6%				
% Male	67.7%	53.2%				
% Female	32.3%	46.7%				
Inside Metro Areas *	29,033,438	75,067,972				
% Inside Metro Areas*	44.9%	58.5%				
Worked in County of Residence	55,254,625	94,042,863				
Worked Outside County of Residence	9,401,180	34,236,365				
% Working Outside County of Residence	14.5%	26.6%				
% Commuting by POV	66.5%	75.7%				
Number Commuting by POV .	42,996,110	97,107,376				

^{*} The list of metropolitan areas over one million has changed in the forty-year period from 34 to 49 areas.

Similar to the greater urbanization of population, workers are also more concentrated in the major metropolitan areas. In 2000, nearly 60 percent of all U.S. workers lived in these areas.

The nature of the U.S. workforce is important since a change in worker demographics can have a strong impact on commute behavior. Over the last 40 years a number of changes to the workforce have been noted¹:

- Farm employment dropped to less than 10 percent of the labor force, and the demographic characteristics of farm laborers has shifted from African-American to Latino
- Occupations related to the service industries are the most common recorded by the census, such as managers, clerical, teachers, cashiers, etc.
- The share of personal consumer expenditures directed toward services (health care, higher education, restaurant meals, etc) had outstripped spending on manufactured items.

¹ William H. Frey, Bill Abresch, Jonathan Yeasting; <u>America by the Numbers, A Field Guide to the U.S. Population</u>, The New Press, New York, 2001

- The growth of new-technology related industry will continue, but so will lower paid service jobs. The fast-growing fields in new technology will not necessarily dominate the U.S. economy in the next decade.
- In 2000, the tax penalty for working past retirement age was changed, and the proportion of people older than 65 who continue in the workforce is expected to rise.

The U.S. is also an aging society at the turn of the millennium—the same baby boomers that overflowed the school systems in the 1950s and 1960s now fill out the workforce and will begin to reach retirement age by 2010. A shift toward older workers occurs as this large population cohort moves through the years of employment—the civilian employed population aged 45 - 54 grew by 51 percent between 1990 and 2000 while the civilian employed population aged 25 - 34 declined by 13 percent in the same time period (see Exhibit 1.7).

Exhibit 1.7 Number of People in the Civilian Labor Force by Age Group (millions): 1990-2000²

	1990	2000				
Work Force Participation (in millions of workers)						
Men in Labor Force, age 16+	69.0	75.2				
Women in Labor Force, age 16+	56.8	65.6				
Age						
Under 25	22.5	22.8				
25 – 34	36.0	31.7				
35 – 44	32.2	37.8				
45 – 54	20.2	30.5				
55 – 64	11.5	14.0				
65+	3.5	4.2				

Immigration will undoubtedly be a factor in filling the worker void left by retiring baby-boomers. Policy decisions determine the amount of allowable immigration each year, but if trends continue foreign-born people will be a large factor in population and worker growth in the U.S. Immigrants are generally of working age and enter the work force directly, but come in with varying job skills. Therefore immigrants are employed at both the highest and lowest skill levels. Overall, new immigrants to the U.S. are less dependent on auto travel than native-born people, but as they stay longer they are likely to obtain an auto and travel the same as native-born Americans.

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² Source: US Census Bureau; Statistical Abstract of the United States, 2001; Table no. 568. See Chapter 7 for the difference in definition of civilian labor force and worker.

Households

The number of added households per decade since 1960 shows less of a distinct pattern than either population or workers. The largest increase was during the 1970s when the large population of baby boomers moved away from their parents and established their own households. In the 1980s, the number of added households slowed, followed by an increase during the last decade of the century. Older people who have been widowed are more likely today to live alone than to live with other family members. In the last 40 years, the average number of people in a household dropped from 3.4 (1960) to 2.7 (2000) persons per household. At the same time all the major contributors to household travel increased—vehicles, drivers, and workers. Exhibit 1.8 shows the added number of households per decade since 1960.

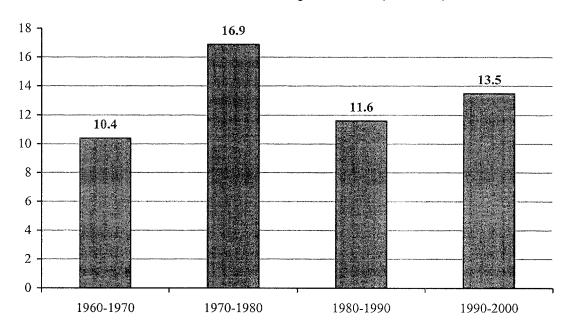
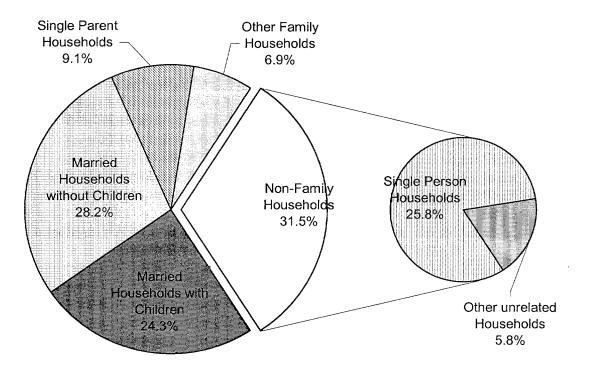


Exhibit 1.8 Added Number of Households per Decade (Millions): 1960-2000

Household composition is a major influence on household travel. In the U.S. Census the two major types of households are "family" and "non-family". A family household is composed of at least two people related by birth, marriage, or adoption. A non-family household is either a person living alone or un-related people sharing the same home.

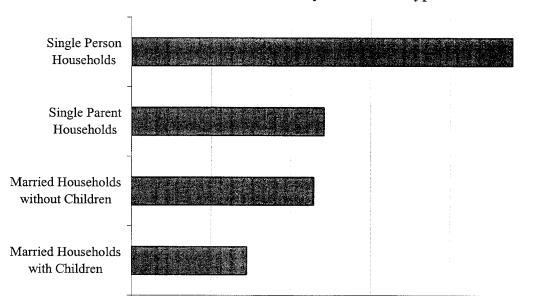
Married couples, with or without children, have become less common in the U.S.; the share of family households fell from 81 percent in 1970 to 68 percent in 2000. For the first time the proportion of single-person households (25.8 percent) is greater than the number of nuclear families (married couples with children are 24.3 percent). Non-family households were 19 percent of all households in 1970 and grew to 31.9 percent in 2000, accounting for nearly a third of all households. Non-family households are a mix of people living alone, unmarried couples, and people living with friends or roommates. Exhibit 1.9 displays the household composition shown by the 2000 Census.





The change in households from a traditional nuclear family to more diverse and smaller arrangements adds to the number of people separately traveling to work. Average household size has declined from 3.14 people per household in 1970 to 2.59 in 2000. Large households have become much less common; the proportion of households with 5 or more people was 21 percent in 1970 and 11 percent in 2000.

The decade past saw a large increase in single-person households; almost 5 million of the 13.5 million added households were single-person. Another 2.4 million were single parent, 2.3 million were married without children, and only 1.5 million households added in the 90s were nuclear families (see Exhibit 1.10).



2,000,000

3,000,000

4,000,000

5,000,000

Exhibit 1.10 Number of Added Households by Household Type: 1990 - 2000

Added 1990 – 2000	Number
Married Households with Children	1,450,465
Married Households without Children	2,289,772
Single Parent Households	2,419,268
Single Person Households	4,782,610

1,000,000

0

Diversity Across the Nation

Racial and ethnic diversity has grown in the U.S. over the last four decades. By far the biggest change in the U.S. demographic profile is the growth of traditionally "minority" populations. Nearly 70 million Americans identify themselves as something other than Non-Hispanic white alone, the largest number in the nation's history.

The African-American population is still highly concentrated in the U.S.—in 64 percent of all counties only 6 percent of the population identifies themselves as African-American, but in 3 percent of all counties 50 percent or more of the county population is identified as African-American. The South had the highest proportion of African-Americans with 20 percent compared to 12 percent in the Northeast, 11 percent in the Midwest, and 6 percent in the West. In the South, the counties with majority African-American populations tend to be non-metropolitan, but concentrations of blacks in the Midwest and Western regions are in counties located within metropolitan areas or counties containing universities or military bases or both. In metropolitan areas the concentration tends to be in counties containing older central cities.

The Hispanic population grew at a staggering pace in the 90s, from 22 million to 35 million people who identify themselves as Hispanic (Hispanics can be of any race). Hispanics of any race now rival African-Americans as the largest minority group — 12.5 percent of the population identifies as Hispanic and 12.3 percent as Black alone (and not in combination with any other race).

The increase in Hispanic population is due to both birth rate and immigration; much of the growth is due to the relatively higher birth rate in Hispanic population. The number of Hispanic children has increased faster than any other racial/ethnic group, growing from 9 percent of the child population in 1980 to 16 percent in 2000.

Foreign-Born Residents

The growing number of foreign-born residents is adding to the diversity of the U.S. In 1960, there were about 10 million foreign-born residents of the U.S. In 1990, there were 20 million; and by 2000, it was 30.1 million. In 1960, 95 percent of the foreign-born population considered themselves white--by 1990, 51 percent did.

One-third more immigrants entered the U.S. in the decade between 1990 and 2000 than in the previous decade, and altogether immigrants accounted for two out of five people added. The total number of foreign-born residents increased a striking 57 percent between 1990 and 2000 to 31.3 million people—triple the number in 1970. Nearly 22 million foreign-born residents immigrated to the U.S. since 1980, over 8.3 percent of the resident population (see Exhibit 1.11).

Exhibit 1.11 Immigrants and Total Population Added: 1980-2000

Decade	Immigrants	Population Change	Immigrants as Percent of Population Increase
1980-90	8,663,627	22,164,068	39.1
1990-00	13,178,276	32,712,033	40.3

In the 1990s the largest flows of immigrants (of any ethnicity) to the United States have settled in California, New York, Texas, Florida, Illinois, New Jersey, Massachusetts, and Virginia, as well as the District of Columbia. Three of those states, California, New York, and New Jersey, as well as the District of Columbia, have experienced high rates of international immigrants while simultaneously experiencing high rates of out-migration to other states, thereby changing the characteristics of the population beyond what simple growth or decline is measured.

A much higher proportion of immigrants live in the largest metropolitan areas-53 percent live in the eight metro areas with 5 million or more people compared to just one-quarter of the native-born population. In areas with between one and five million people, the proportions were not significantly different, and foreign-born people were

proportionately less likely to live in areas with less than a million in population or in non-metropolitan areas³.

Immigrants will probably continue to be an important addition to our population and workforce—as the baby boomers move out of their working years fewer and fewer workers are projected to maintain productivity and employment. Travel by new immigrants is different than travel by immigrants who have been here awhile, or native-born residents.

The acquisition of vehicles is especially interesting in the immigrant community. Nearly twenty percent of foreign-born persons live in poverty, and this impacts location and transportation choices. Newer immigrants are twice as likely not to have a vehicle than immigrants who have lived in the U.S. for ten years or more. The longer the immigrant family has been residing in the States, the more similar their characteristics of vehicle-ownership to native-born households. Still, even after a decade, immigrants are twice as likely to continue to be without a car than U.S.-born. Hispanic immigrants who have been in the U.S. for over a decade are more likely to be without a vehicle (11 percent). Exhibit 1.12 shows the proportion of zero-vehicle households for all immigrants compared to U.S.-born, and for Hispanic immigrants. 1990 Census Public Use Microdata Sample File (PUMS) data is shown since 2000 PUMS was unavailable when this report was written.

Exhibit 1.12 Proportion of Households without Vehicles by Number of Years Resident in U.S.

	3 years or less	4-5 years	6-8 years	9-10 years	10 + years	US Born
Hispanic	23.3	17.7	15.4	14.2	10.8	6.2
All	20.7	15.7	12.7	12.0	8.0	3.9

Source: 1990 Census PUMS data

In large cities, the cost of purchasing a vehicle may not be as much of an impediment as the cost of insurance, parking, and vehicle repairs. One out of five poor households own a vehicle fourteen years old or more⁴, and these older vehicles are less dependable, require more repairs, and may be used sparingly. Even people in households with no cars still make almost half of their trips (all purposes, not just commute trips) in a private vehicle, about a quarter of their trips are by walking, and one in six trips are by transit.

³ Current Population Reports, P23-195, U.S. Census

⁴ Source: 1995 NPTS

Vehicle Availability

In the 40-year period between 1960 and 2000, 123.6 million vehicles were added, almost two vehicles added for every added worker. The number of vehicles has increased across the country about 15 percent since 1990; compared to 13 percent increase in population and 11 percent increase in workers. Exhibit 1.13 shows the added number of vehicles per decade.

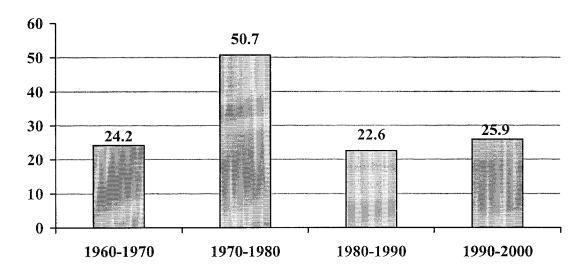


Exhibit 1.13 Added Number of Vehicles per Decade (Millions): 1960-2000

The most dramatic change has been the astounding increase in households with two or more vehicles. In 1960, 11.4 million households had 2 or more vehicles; in 2000, 58.5 million households have 2 or more vehicles. Given the decline in household size an even more dramatic increase has been the increase in households with three or more cars. In 1960, very, very few households (only 1.3 percent) had three or more cars. In 2000, 17 percent have 3 or more vehicles (see Exhibit 1.14).

Exhibit 1.14 I	Number (of Households	by V	Vehicles:	1960 and 2000
----------------	----------	---------------	------	-----------	---------------

	Number of H	Households		
Households with:	1960	2000		
Zero-Vehicle	11,416,835	10,870,530		
One Vehicle	30,189,103	36,126,041		
Two Vehicle	10,073,684	40,463,699		
Three or More	1,342,499	18,036,636		

There are a number of factors pushing the increase in households with at least one vehicle. There is an increase in longevity of the auto fleet—this creates a large stock of viable used vehicles available at a reasonable price. The increasing affordability of cars means more low-income households can own one⁵.

⁵ Alan Pisarski, "Commuting in America", ENO Foundation, 1987

Zero-Vehicle Households

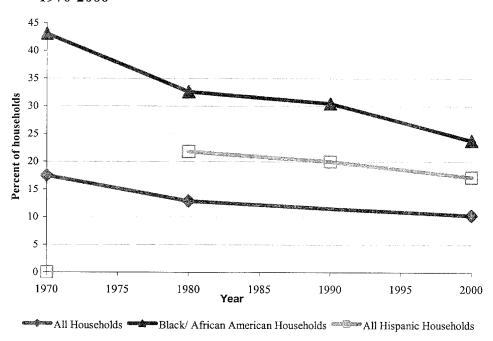
The proportion of households with no vehicle dropped to about 10 percent of all households for the first time in 2000. In absolute numbers, however, about the same number of households had no vehicle in 1960 as in 2000 (11.4 million and 10.9 million respectively). But with the decrease in household size, fewer people are affected. In 1960, 38 million people lived in zero-vehicle households, compared to only 28 million people in 2000. The likelihood of owning a vehicle varies by area and region of the country. The New York metro area alone accounts for one-fifth of the zero-vehicle households in the entire country (Exhibit 1.15).

Exhibit 1.15 Percent of All Households without Vehicles, with and without New York CMSA: 1980-2000

	1980	1990	2000
U.S. Total	13.1%	11.5%	10.3%
U.S. minus NY CMSA	10.8%	10.1%	8.8%

The likelihood of living in a household without a vehicle also varies dramatically by race and ethnicity. African-American and Hispanic households have consistently had fewer vehicles than white households, but the proportion without vehicles continues to decline (Exhibit 1.16).

Exhibit 1.16 Percent of Households without Vehicles by Race of Householder: 1970-2000



Commuting Trends for the Nation and States

The journey-to-work data is obtained on the decennial census "long form" which allows only one answer to the question on the means of travel to work, so detail on multi-modal trips is missing. Information on travel for other purposes is also not obtained.

Between 1960 and 2000, the U.S. added 102 million households, 124 million vehicles and 64 million workers. The increase in households and vehicles far exceeded the increase in workers and population. Exhibit 1.17 shows some of the dramatic changes in travel-related characteristics of the U.S. population since 1960.

3.5

Exhibit 1.17 Changes in Travel Variables: 1960 - 2000

			Martin	
		10000		
******		X		
1960	1970	1980	1990	2000
				1960 1970 1980 1990 Persons per Household Persons per Vehicle

	1960	1970	1980	1990	2000
Persons per Household	3.33	3.11	2.75	2.63	2.59
Persons per Vehicle	3.27	2.57	1.75	1.63	1.58
Workers per Household	1.22	1.21	1.20	1.25	1.22
Workers per Vehicle	1.18	0.97	0.74	0.76	0.72
Vehicles per Person	0.31	0.39	0.57	0.61	0.63
Vehicles per Worker	0.85	1.03	1.34	1.32	1.39

In the majority of the country we may be close to saturating the vehicle availability for workers. However, as indicated above, some population groups, notably Hispanic immigrants and African-Americans living in central cities, have room to grow into vehicle ownership.

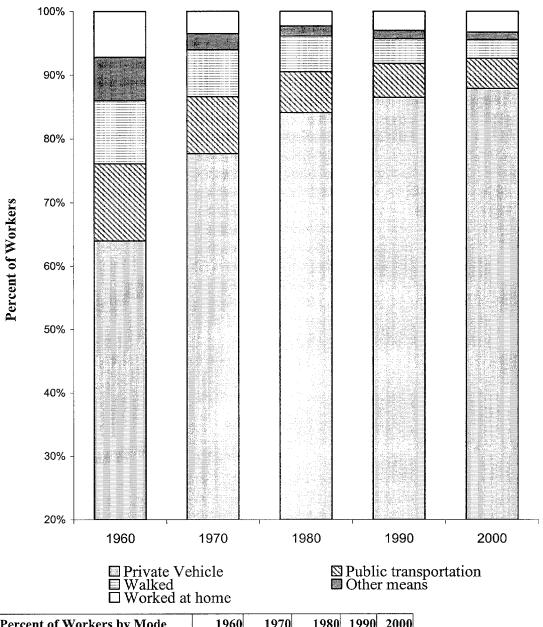
Mode

In forty years between 1960 and 2000, almost two vehicles were added to the U.S. household-vehicle fleet for every added worker. Not surprisingly, the use of private vehicle as a means of travel to work has increased from 69 percent of all commuters to 88 percent (Exhibit 1.18). Exhibit 1.19 shows the number of private vehicle commutes in each decade since 1960, showing the increase from 41 million workers in private vehicles to 113 million workers in private vehicles.

In 2000, three-quarters of commuters drove alone to work, 12.2 percent reported carpooling, followed by transit (4.7 percent), work at home (3.3 percent) and walk (2.9 percent). With the total increase in number of workers, workers using transit stayed about the same (6 million workers commute by transit).

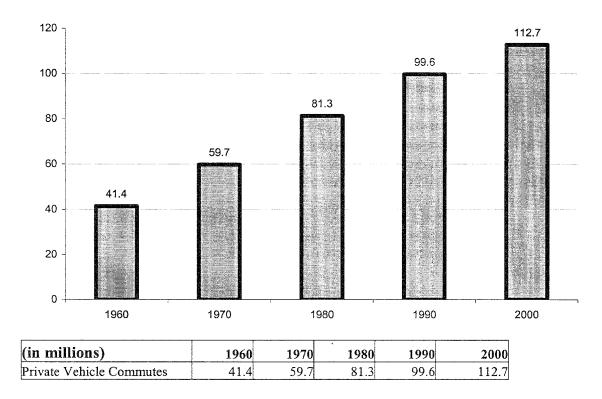
Nearly 13 million more workers drove alone in 2000 than did in 1990. One of the big surprises in 2000 is the continuing decline of carpools as a means of travel to work. According to the Census, the number of workers who usually carpool has increased but the proportion of carpooling as a share of total commuters has declined by 1.4 percent (see Exhibit 1.18). Average occupancy for private vehicle modes to work is just 1.08 persons per vehicle.

Exhibit 1.18 Means of Transportation to Work: United States: 1960-2000



Percent of Workers by Mode	1960	1970	1980	1990	2000
Private Vehicle	64.0	77.7	84.1	86.5	87.9
Public transportation	12.1	8.9	6.4	5.3	4.7
Walked	9.9	7.4	5.6	3.9	2.9
Other means	6.8	2.5	1.6	1.3	1.2
Worked at home	7.2	3.5	2.3	3.0	3.3

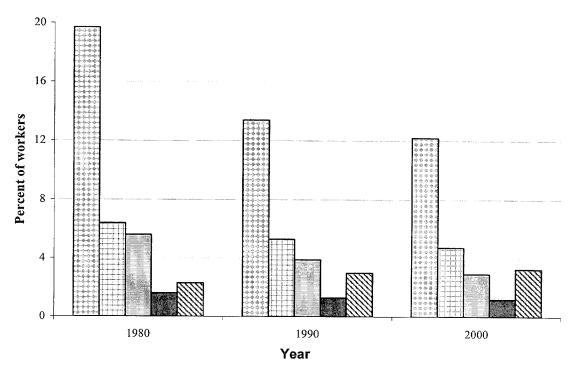
Exhibit 1.19 Number of Workers Commuting by Private Vehicle: 1960-2000



Transit

The number of workers taking transit has remained stable since 1980 at about 6 million workers. However, transit commute shares for the U.S. have fallen from 6.2 percent in 1980 to 5.3 percent in 1990, and 4.7 percent 2000. Walk to work has declined both in the number and percent of commuters, whereas work at home showed an increase (see Exhibit 1.20).

Exhibit 1.20 Percent of Workers who do Not Drive alone: 1960-2000



☐ Carpooled ☐ Public transportation ☐ Walked ☐ Other means ☑ Worked at home

Commuting To Work	1980	1990	2000
Drove Alone	64.4	73.2	75.7
Carpooled	19.7	13.4	12.2
Public transportation	6.4	5.3	4.7
Walked	5.6	3.9	2.9
Other means	1.6	1.3	1.2
Worked at home	2.3	3	3.3

A majority of U.S. transit trips are for non-work purposes, and non-work trips are not collected by the census. However, the 2001 National Household Travel Survey (NHTS is periodically conducted by the U.S. Department of Transportation)⁶ indicates that 35 percent of transit trips are for "earning a living" while 65 percent are for other purposes. Thus, it is not inconsistent that local counts of transit boardings are increasing, while the number of commuters usually using transit to work remains constant (see Exhibit 1.21).

⁶ http://nhts.ornl.gov

Exhibit 1.21 U.S. Transit Ridership (APTA) and Transit Commuting (Census)
Trends: 2000⁷

Year	Transit Ridership, APTA (Millions of Boardings)	Transit Commuters*, Decennial Census (# of Workers)	Total Commuters, Decennial Census (# of Workers)	Transit Commute Share, Decennial Census
1980	8,567	6,007,728	96,617,296	6.2%
1700	0,507	0,007,720	70,017,270	0.2/0
1980	8,799	5,890,155	115,070,274	5.1%

^{*} Transit commuters exclude taxicab commuters.

Because the decennial census obtains information about the workers "usual" commute, it doesn't capture an actual day of travel, as does the NHTS. Because the NHTS includes both questions we can compare the two answers directly (Exhibit 1.22). People who say that they usually drive are very consistent in their commute behavior—99 percent of those who say they usually drove alone and 97 percent of those who usually drive with others are in private vehicles on any given work day. People who usually take transit, walk, or bike are less likely to be on that mode on any given work day.

Exhibit 1.22 Mode of Travel on Travel Day for Workers Making a Commute Trip Compared to "Usual Mode"

		(On Travel I	Day Took:			
"Usual" Mode is:	Single Occupant Vehicle	Drove with Others	Transit	Walked	Biked	No Report/ Other	
Drove Alone	90.0%	9.3%	0.2%	0.3%	0.1%	0.2%	
Carpool	22.2%	74.8%	1.0%	1.4%	0.4%	0.3%	
Transit	7.8%	9.7%	69.4%	10.1%	0.5%	2.5%	
Walk	8.1%	9.2%	2.6%	79.5%	0.2%	0.4%	
Bike	6.7%	8.4%	1.7%	6.1%	77.1%	0.0%	

Overall, 4.6 percent of the respondents in NHTS said that they "usually" take transit to get to work. A bit more than two-thirds (69 percent) of those who said they usually take transit actually rode transit to work on the travel day, resulting in 3.7 percent of workers using transit on an assigned travel day.

⁷ Source: CTPP Status Report, September 2002, "Transit Ridership and Transit Commuting Trends: Why are They Different?" by Chuck Purvis, MTC, Oakland, CA

Work at Home

The character of working at home has changed dramatically over the last half century. The decline in home-based employment from 1960 to 1970 was presumably a result in the decline of family farm employment and the consolidation of formerly home-based professional occupations (doctors and lawyers) into group practices. But since 1980, "work at home" has increased. Home-based workers expanded from 2.2 million workers in 1980, to 3.4 million workers in 1990, to 4.2 million workers in 2000 (see Exhibit 1.23).

Exhibit 1.23 Number and Percent of Workers who Work at Home: 2000

Year	Number of	Worked at	Percent		
	Workers	Home			
1980	96,617,296	2,179,863	2.3		
1990	115,070,274	3,406,025	3.0		
2000	128,279,228	4,184,223	3.3		

As of 2000⁸, some of the characteristics of workers who usually work at home include:

- Half are self-employed and work exclusively at home
- One-third are in professional and service industries
- More often women than men (54 percent home workers compared to 46 percent non-home workers)
- Older than non-home workers (46 percent vs. 32 percent for 45 years and over)
- More likely to be white non-Hispanic
- Less likely to live in metropolitan areas

For transportation planners the problem is greater than capturing a reliable estimate of the size and composition of the home-based work force, but also to determine and track the amount of work done at home, and to understand trends in the amount and type of work performed at home rather than at another location.

Travel Time

American workers are spending more time than ever getting to work. In 2000, the average travel time to work was 25 minutes and 30 seconds, an increase of over two minutes compared to 1990. The overall increase in travel time between 1980 and 1990 was only 40 seconds, so this change between 1990 and 2000 is significantly larger.

In 2000, 15 percent of workers commuted more than 45 minutes to work, up from only 11 percent in 1980. On the other hand, only 28 percent of workers commuted less than 15 minutes, down from 34 percent in 1980. Workers who said they worked at home were not included in the category of 15 minutes or less. More detail on each of these topics for the largest metropolitan areas in the U.S. is provided in the following chapters.

⁸ U.S. Census Bureau, Current Population Reports, "Home-Based Workers in the United States: 1997," December 2001

⁹ Some of this difference is due to coding changes of very long trips between 1990 and 2000. See Chapter 7 for more information.

Chapter 2

METRO AREA TRENDS

This chapter summarizes the changes in demographic characteristics of population, households, workers in the large metropolitan areas of the U.S., or those with one million or more people. Exhibit 2.1 is a profile of the various commute characteristics comparing the nation, the 49 metropolitan areas of 1 million or more in population, and the rest of the country.

We used the 1993 Office of Management and Budget (OMB) definition (updated on June 30,1999) to select the counties to include in metropolitan areas. In 1980, only 34 areas had 1 million or more residents, in 1990, 39 areas met the definition, in 2000, 49 metropolitan areas included one million or more in population. Allocating the counties in these 49 areas to the 1993 definition over the 1980 – 2000 time period ensures that we are comparing the same geographies across time, but this difference should be kept in mind since the numbers presented here for 1980 and even 1990 may differ from previously published data. Appendix A lists the county lists for each MSA.

Since one of the major forces of commute characteristics in the last forty years has been suburbanization of the MSA landscape, we separated the central counties from suburban counties for trend analysis. In the June 1999 definition, many MSAs had more than one central county. In order to keep the series of reports on Journey-to-Work Trends consistent, we decided to hold the central county definitions to the one county defined as 'central' in 1990 for 39 MSAs. In the remaining 10 MSAs, one county was chosen as the central county based on location of the "primary" downtown.

This report can only examine the characteristics of workers and flows at the county level. The use of full counties has great limitations. For instance, the designation of a county as "suburban" simply identifies counties within the MSA that surround the central county. The term "suburban" does not connote any specific land-use or development pattern. In fact, some suburban counties may have higher population density than the central county in the MSA. Also, because several MSAs included two or more stand-alone cities located in different counties (e.g. Washington, DC MSA includes Baltimore, MD), the suburban counties sometimes include these stand-alone cities. In addition, counties are large, and can include urbanized and rural areas. Further analysis at small geography is required to fully understand development and commuting patterns for each of the metro areas.

Discussions about journey-to-work characteristics and vehicle availability for the large metro areas are in Chapters 3 through 5. Since no single story emerges to tell the tale of how commute patterns have changed in U.S. metropolitan areas, Chapter 6 presents examples of worker flow data in general for all MSAs and in more detail for five selected areas.

Exhibit 2-1 Journey to Work Profile: Summary Statistics (2000)

T		тт:		F	
Demographics and Land A		Travel Time		Journey to Work by Mo	ae
Area Population	281,421,906	Mean (in minutes)		National % Drive Alone	75.70
% Inside 49 Metro Areas	57.39	Originating in:	35.50	!	
% Remainder of Nation	42.61	Nation	25.50	% Carpooled	12.19
% Urban	79.01	49 Metro Areas	27.90	% Public Transit	4.73
% Rural	20.99	Remainder of Nation	22.40	% Walk	2.93
	105 520 122			% Bicycle	0.38
Total Households	105,539,122	C		% Other	0.81
Persons Per Household	2.59	Commute Length		% Work at Home	3.26
Median Household Income		National		Inside 49 Metro Areas	
Nationwide	\$41,994	% Less Than 15 Minutes	28.44	% Drive Alone	73.56
	¥ ,	% 15 - 29 Minutes	34.93	% Carpooled	11.80
		% 30 - 39 Minutes	15.26	% Public Transit	7.40
		% 40 - 59 Minutes	10.39	% Walk	2.87
National Age Characteristcs	:	% 60 Minutes or More	7.72	% Bicycle	0.40
Median Age	35.30	% At Home	3.26	% Other	0.78
% 14 Years or Less	21.40	Inside 49 Metro Areas		% Work at Home	3.18
% 65 Years or More	12.40	% Less Than 15 Minutes	22.73		
,		% 15 - 29 Minutes	34.74	Remainder of Nation	
Square Miles		% 30 - 39 Minutes	17.49	% Drive Alone	78.70
National Total	3,536,338	% 40 - 59 Minutes	12.69	% Carpooled	12.73
% Inside 49 Metro Areas	10.88	% 60 Minutes or More	9.17	% Public Transit	0.96
% Remainder of Nation	89.12	% At Home	3.18	% Walk	3.01
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		Remainder of Nation		% Bicycle	0.36
Workers		% Less Than 15 Minutes	36.50	% Other	0.86
National Total	128,279,228	% 15 - 29 Minutes	35.20	% Work at Home	3.38
% of Population	45.6	% 30 - 39 Minutes	12.13		
% Male	53.7	% 40 - 59 Minutes	7.13		
% Female	46.3	% 60 Minutes or More	5.66	General Indicators	
Inside 49 Metro Areas	75,067,972	% At Home	3.38	National	
% Inside 49 Metro Areas	58.5%			Population/Sq. Mile	80
Remainder of Nation	53,211,256	Time Workers Leave Hom	ne	Households/Sq. Mile	30
% Remainder of Nation	41.5%			Workers/Sq. Mile	36
		National		Workers/Household	1.22
Household Vehicle Availa	bility	5:00 AM - 6:59 AM	26.22	Vehicles/Household	1.69
National	•	7:00 AM - 8:29 AM	40.31	Vehicles/Worker	1.39
Total Vehicles	178,344,236	8:30 AM - 9:59 AM	10.42		
% 0 Vehicles	10.30	All Other Departures	19.78	Inside 49 Metro Areas	
% 1 Vehicles	34.25	Worked at Home	3.26	Population/Sq. Mile	420
% 2 Vehicles	38.36			Households/Sq. Mile	155
% 3+ Vehicles	17.10	Inside 49 Metro Areas		Workers/Sq. Mile	195
Inside 49 Metro Areas		5:00 AM - 6:59 AM	25.57	Workers/Household	1.25
Total Vehicles	97,334,931	7:00 AM - 8:29 AM	40.63	Vehicles/Household	1.63
% 0 Vehicles	12.14	8:30 AM - 9:59 AM	11.76	Vehicles/Worker	1.30
% 1 Vehicles	34.83	All Other Departures	18.87		
% 2 Vehicles	37.41	Worked at Home	3.18	Remainder of Nation	
% 3+ Vehicles	15.62			Population/Sq. Mile	38
Remainder of Nation		Remainder of Nation		Households/Sq. Mile	14
Total Vehicles	81,009,305	5:00 AM - 6:59 AM	27.15	Workers/Sq. Mile	17
% 0 Vehicles	7.88	7:00 AM - 8:29 AM	39.86	Workers/Household	1.17
% 1 Vehicles	33.49	8:30 AM - 9:59 AM	8.53	Vehicles/Household	1.77
% 2 Vehicles	39.61	All Other Departures	21.08	Vehicles/Worker	1.52
% 3+ Vehicles	19.03	Worked at Home	3.38		
-					
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Population Characteristics

Nearly 60 percent of all the people in the U.S. reside in one of the large metro areas, and nearly one-third of the population lives in the 10 largest areas. The major metro areas also account for:

- 53.6 percent of population over the age of 65
- 56.7 percent of traditional families (married couples with children) but the number of these families is just 14 million nationwide
- 57.5 percent of all occupied housing units (or households)
- 53.3 percent of households with income in 1999 below poverty level

Major metropolitan areas as a group grew in both population and land area in the nineties--ten areas now have over 5 million people. New York MSA is home to 20 million people or 7.5 percent of the nation's total. Dallas-Ft. Worth grew by 29 percent in the decade adding 1.2 million people (see Exhibit 2.2). Many other metro areas that experienced rapid growth (25 percent or more in the decade) were in the South and the West.

International immigration was a more significant factor in the growth of cities than migration from rural or other metropolitan areas. The South was the only region with significant population gain as a result of internal migration. Unlike population growth by childbearing, many immigrants are of working age and add directly to the pool of workers where they settle.

Exhibit 2.2 Largest Metropolitan Areas in 2000

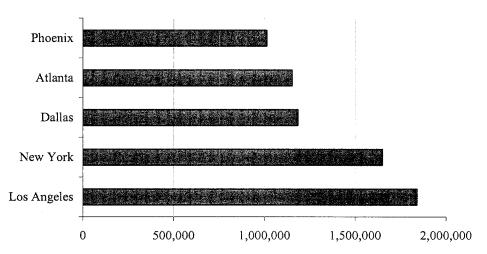
	1990 Population	2000 Population	Added Population 1990-2000	Percent Change 1990- 2000	2000 Share of U.S. Total
Total for Metro Areas of 5 million or more	75,874,152				29.9
New York	19,549,649	21,199,865	1,650,216	8.4	7.5
Los Angeles	14,531,529	16,373,645	1,842,116	12.7	5.8
Chicago	8,239,820	9,157,540	917,720	11.1	3.3
Washington, DC	6,727,050	7,608,070	881,020	13.1	2.7
San Francisco	6,253,311	7,039,362	786,051	12.6	2.5
Philadelphia	5,892,937	6,188,463	295,526	5.0	2.2
Boston	5,455,403	5,819,100	363,697	6.7	2.1
Detroit	5,187,171	5,456,428	269,257	5.2	1.9
Dallas	4,037,282	5,221,801	1,184,519	29.3	1.9

Three of the fastest growing large MSAs added over a million people—Dallas-Ft. Worth, Atlanta, and Phoenix. Las Vegas was the fastest growing MSA for the fourth decade in a row (see Exhibits 2.3 and 2.4).

Exhibit 2.3 Population Change for the Ten Fastest Growing Metropolitan Areas: 1990 – 2000

	1000	2000	Added	Percent Change
NI PNEC A	1990	2000	Population 1990-2000	1990 - 2000
Name of MSA	Population	Population		
Las Vegas	852,737	1,563,282	710,545	83.3%
Austin	846,227	1,249,763	403,536	47.7%
Phoenix	2,238,480	3,251,876	1,013,396	45.3%
Atlanta	2,959,950	4,112,198	1,152,248	38.9%
Raleigh	855,545	1,187,941	332,396	38.9%
Orlando	1,224,852	1,644,561	419,709	34.3%
West Palm Beach	863,518	1,131,184	267,666	31.0%
Denver	1,980,140	2,581,506	601,366	30.4%
Dallas	4,037,282	5,221,801	1,184,519	29.3%
Charlotte	1,162,093	1,499,293	337,200	29.0%
Portland	1,793,476	2,265,223	471,747	26.3%

Exhibit 2.4 Five Metropolitan Areas with Largest Number of People Added: 1990 - 2000



Area	Population Added
Los Angeles	1,842,116
New York	1,650,216
Dallas	1,184,519
Atlanta	1,152,248
Phoenix	1,013,396

Seven of the ten metropolitan areas (CMSAs and MSAs) with the largest numerical gain in population were in the South and the West. New York, Chicago, and Washington, D.C. are the three metro areas not in this category. Two of the largest 49 MSAs lost in population: Pittsburgh, and Buffalo.

With the overall population growth in the U.S. since 1950, all major metro areas increased in population, but eight areas lost population in the central county during the last fifty years. St. Louis lost half of the residents in the central county, Washington, D.C. and Philadelphia lost nearly 30 percent (See Exhibit 2.5).

Exhibit 2.5 Change in Central and Suburban Population: 1950-2000

	1950 CC Pop	2000 CC pop	Pct Change in CC	1950 Sub Pop	2000 Sub Pop	Pct Change in Sub
St. Louis	856,796	348,189	-59.4	970,822	2,255,418	132.3
Washington, DC	802,178	572,059	-28.7	2,500,716	7,036,011	181.4
Philadelphia	2,071,605	1,517,550	-26.7	2,159,313	4,670,913	116.3
Boston	896,615	689,807	-23.1	3,375,312	5,129,293	52.0
New York	1,960,101	1,537,195	-21.6	13,061,922	19,662,670	50.5
Pittsburgh	1,515,237	1,281,666	-15.4	985,218	1,077,029	9.3
Detroit	2,435,235	2,061,162	-15.4	1,280,944	3,395,266	165.1
New Orleans	570,445	484,674	-15.0	199,745	853,052	327.1

Most of the population growth in the major metropolitan areas has occurred in the suburban counties. For example, Denver's suburban population increased steadily from 1950 through 1990 with corresponding declines in the central county share. In 1950, the suburban counties' share was about 40 percent, and in 1990 the share in suburban counties had increased to 75 percent. Only in the last decade, from 1990-2000, was there a significant increase in the central county population.

New Orleans had a similar half-century of ups and downs for central county population, but shows continuing declines in central population in the 90s (see Exhibits 2.5, 2.6 and 2.7).

Exhibit 2.8 shows some of the demographic characteristics of the 49 major MSAs, including household size, vehicles per household, workers per household, and urban and rural share of population. Since the MSA definitions include full counties (which can be expansive), some of the major MSAs include significant rural populations. The urban and rural population estimates are based on the Census Bureau's 2000 definitions: urban includes urbanized areas and urban clusters, rural area is the remainder in the MSA.

While average household size does not vary much between metro areas, vehicles per household and workers per household are more variable. For example, the Salt Lake City metro has the largest average household size and a high average in the number of workers and vehicles available. New York also is clearly different, with the lowest average number of vehicles per household in spite of similar household size and workers per household to the other areas. Metros in Florida (West Palm Beach, Miami, and Tampa) had fewer vehicles available and fewer workers per households, reflecting older retired populations.

Exhibit 2.6 Percent Share of Population in Central and Suburban Counties: 1960-2000

Beston		19	960		19	70		- 19	80	,	19	990		20	000	
New York	MSA Name	Area wida	% CC	% SC	Area wide	% CC	% SC	Area wide	% CC	% SC	Area wide	% CC	% sc	Area wid-	94.00	0/ 50
Los Angeles							 									
Chicago 7,078-745 72.5 72.5 7.952.044 69.1 30.9 8.114.876 64.7 33.1 8.209.870 62.0 88.0 91.75.40 88.7 41.0 88.0 7.05.20.8 88.0 7.05.20.8 88.0 7.05.20.8 88.0 7.05.20.8	Los Angeles	7,751,616	77.9	22.1		70.5	29,5		65.0							
Washington 4,274,255 179 82.1 53,96,463 14.0 860 5,780,499 11.0 80.0 6,722,050 9.0 91.0 7,68,707 7.5 92.5 San Francisco 3,723,158 199 801 4,719,899 15.1 840 5,367,372 12.6 87.6 12.5 33,11 11.6 11.0 80.0 Philadelphia 5,073,747 39.5 60.5 5,673,378 34.5 65.7 5,649,290 12.0 87.8 5,553,11 11.0 80.0 Philadelphia 5,073,747 39.5 60.5 5,673,378 34.5 65.7 5,649,290 12.0 87.8 5,545,400 12.2 87.				27.5	·		30.9									
Sam Francisco 3,721,158 1-99 801 4,751,989 15.1 849 5,367,972 12.6 874 6,253,311 11.6 88.4 7,079,362 11.0 89.0 11.0	Washington	4,274,255	17.9	82.1	5,396,463	14.0	86.0	5,790,490	11.0	89.0	6,727,050	9.0	91.0			} -
Peliadelphia 5,073,747 39.5 60.5 5,673,787 34.3 65.7 5,649,290 29.7 70.1 5,89,297 26.0 73.1 6,188,465 24.5 75.5		3,723,158	19.9	80.1	4,751,989	15.1	84.9	5,367,925	12.6	87.4	6,253,311	11.6	88.4			-
Boston	Philadelphia	5,073,747	39.5	60.5	5,673,378	34.3	65.7	5,649,290	29.9	70.1	5.892,937	26.9	73.1			
Demotri 4,675,382 570 43.0 5,309,202 502 49.8 5,293,217 442 55.8 5,187,77 40.7 59.3 5,456,428 97.8 6.22 bills 1,187,187 78.6 2.14 2,181,315 79.9 20.1 3,119,831 77.2 22.8 3,731,131 75.5 24.5 46.05,071 72.8 27.5 24.0 bills 1,187,187 78.6 21.4 2,181,315 79.9 20.1 3,119,831 77.2 22.8 3,731,131 75.5 24.5 46.05,071 72.8 27.5 24.0 bills 1,187,187 79.7 22.8 1,187,187 79.0 20.1 3,119,831 77.2 22.8 3,731,131 75.5 24.5 46.05,071 72.8 27.5 24.0 bills 1,187,187 79.7 22.8 1,187,187 79.0 20.1 5,119,831 77.2 22.8 3,731,131 75.5 24.5 46.05,071 72.8 27.5 24.0 bills 1,187,187 79.0 20.1 3,119,831 77.2 22.8 3,731,131 75.5 24.5 46.0 5,071 72.8 27.5 24.0 bills 1,187,187 79.0 20.1 3,19,188 10.1 3.0 3,192,532 50.3 3,387,530 58.1 41.9 20.0 2.0 2.0 3,187,187 89.0 2.0 2.0 2.0 3,187,187 89.0 2.0 2.0 2.0 3,187,187 89.0 2.0 2.0 2.0 2.0 3,187 89.0 2.0 2.0 2.0 3,187 89.0 2.0 2.0 2.0 2.0 2.0 3,187 89.0 2.0 2.0 2.0 3,187 89.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 3,187 89.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	Boston	4,676,312	16.9	83.1	5,224,303	14.1	85.9	5,336,186	12.2	87.8	5,455,403	12.2	87.8			
Dallas 1,782,133 53.4 46.6 2,432,705 54.6 45.6 45.0 5,046,636 5,11 88.9 4,037,282 45.9 5,41 5,221,807 42.5 57.5 Mosson 1,581,137 78.6 21.4 2,181,315 79.9 20.1 3,119,831 77.2 22.8 3,731,131 75.5 24.5 4,669,577 72.8 27.7 27.2 27.8 27.2 23.8 2,443,981 3,122,582 60.7 39.3 3,376,380 81.1 41.9 80.2 41.8 41.9 41.8 41.	Detroit	4,675,382	57.0	43.0	5,309,922	50.2	49.8	5,293,217		55.8	5,187,171	40.7	59.3			-
Houston 1,581,137 78.6 21.4 2,181,1315 79.9 20.1 5,119,331 77.2 22.8 3,731,131 75.5 24.5 4,669,571 72.8 27.2 Adhanta 1,312,474 24.6 77.6 1,763,626 34.5 65.5 2,233,324 26.4 73.6 2,999,590 21.9 78.1 4,112,198 18.8 80.7	Dallas		53.4	46.6	2,432,706	54.6	45.4		51.1	48.9						-
Adamia 1,121,474 42,4 57,6 1,763,626 34,5 65,5 2,233,324 26,4 73,6 2,959,950 21,9 78,1 4,112,198 19,8 80,2 4,111 1,245,245 1,2	Houston	1,581,137	78.6	21.4		79.9	20.1		77.2	22.8						
Mami 1,268,999 73,7 26,3 1,887,892 67,2 32,8 2,643,981 61,5 38,5 3,192,582 60,7 39,3 3,876,380 58,1 41,9 Februix 1,587,666 58,9 41,1 2,038,533 50,7 43,3 2,408,576 52,7 47,3 2,270,328 50,7 43,3 3,534,760 48,9 51,1 Februix 726,183 91,4 86, 1,055,348 93,4 66 1,055,438 93,4 5,7 2,238,440 94,8 52,251,876 94,9 5,5 Minneapolis 1,646,709 51,2 48,8 2,026,715 47,4 52,6 2,198,190 42,8 57,2 2,538,834 40,7 59,3 2,968,806 37,6 62,4 Cieveland 2,282,447 58,3 41,7 3,098,513 55,6 44,4 2,938,277 51,0 40,0 2,258,3834 40,7 59,3 2,968,806 37,6 62,4 Cieveland 2,282,447 58,3 41,7 3,098,513 55,6 44,4 2,938,277 51,0 40,0 2,258,316 40,4 50,0 2,248,313 100,0 0.0 St. Louis 2,184,761 34,3 65,7 2,245,695 25,3 74,7 2,414,091 18,3 81,2 2,492,325 15,9 84,1 2,603,607 13,4 86,6 Deriver 1,005,543 49,1 50,9 1,252,233 38,8 61,2 1,741,599 28,3 71,7 1,861,401 23,6 76,4 2,581,506 21,5 78,5 Tampa 820,443 48,5 51,5 1,105,533 44,3 55,7 1,613,603 40,1 59,9 2,67,999 40,3 59,7 2,395,907 41,7 58,3 Februard 1,024,105 51,0 49,0 1,264,790 44,0 50,0 1,534,67 53,5 64,5 1,794,76 32,6 67,4 2,253,225 29,2 70,8 Februard 1,024,105 51,0 49,0 1,264,790 44,0 50,0 1,534,67 53,5 64,5 1,794,76 32,6 67,4 2,253,225 29,2 70,8 Februard 1,024,105 51,0 49,0 1,264,790 44,0 50,0 1,534,67 53,5 64,5 1,794,76 32,6 67,4 2,253,225 29,2 70,8 Februard 1,024,05 51,0 49,0 1,264,790 44,0 50,0 1,766,605 43,6 1,279,476 32,6 67,4 2,253,225 29,2 70,8 Februard 1,024,05 51,0 49,0 1,264,790 44,0 50,0 1,264,790 44,0 50,0 1,264,790 44,0 50,0 1,264,790 44,0 50,0 1,264,790 44,0 50,0 1,264,790 44,0 50,0 44,0 44,0 44,0 44,0 44,0 44,0 44,0 44,0	Atlanta	1,312,474	42.4	57.6	1,763,626	34.5	65.5			73.6						
Price 1.587.666 589 41.1 2.035.333 6.7 43.3 2.408.575 52.7 47.3 2.970.328 50.7 49.3 3.554.760 48.9 51.1	Miami	1,268,993	73.7	26.3	1,887,892	67.2	32.8	2,643,981	61.5	38.5	3,192,582		39.3			
Phoenix 726,183 91.4 8.6 1,054,318 93.4 6.6 1,599,710 94.3 5.7 2,238,480 94.8 5.2 3,251,376 94.5 5.5	Seattle	1,587,666	58.9	41.1	2,038,533	56.7	43.3	2,408,576	52.7	47.3	2,970,328	50.7	49.3		·	
Cleveland 2,2825,417 S8.3 41.7 3,098,513 S5.6 44.4 2,938,277 51.0 49.0 2,859,644 49.4 50.6 2,945,831 47.3 52.7 San Diego 1,033,011 0000 0.0 1,357,854 100.0 0.0 1,861,840 100.0 0.0 2,408,016 100.0 0.0 0.0 2,813,833 100.0 0.0 0.0 St. Louis 2,184,761 34.3 65.7 2,456,939 25.3 74.7 2,414,091 18.8 81.2 2,948,016 100.0 0.0 2,408,016 100.0 0.0 2,813,833 100.0 0.0 St. Louis 2,184,761 34.3 65.7 2,456,939 25.3 74.7 2,414,091 18.8 81.2 2,923,255 15.9 84.1 2,603,607 13.4 86.6 Denver 1,006,543 49.1 50.9 1,325,233 38.8 61.2 1,741,890 28.3 71.7 1,980,140 23.6 76.4 2,581,506 21.5 78.5 Tampa 820,443 43.5 51.5 1,105,553 44.3 55.7 1,613,603 40.1 50.9 2,067,959 140.3 59.7 2,305,997 41.7 88.3 Temberships 2,689,141 60.6 39.4 2,683,835 38.8 40.2 2,571,223 56.4 43.6 2,007,939 14.5 59.4 2,381,506 21.5 78.5 Tampa 1,024,165 51.0 49.0 1,264,790 44.0 56.0 1,583,467 35.5 64.5 1,793,476 32.6 67.4 2,265,223 29.2 70.8 Clincimati 1,520,222 56.8 43.2 1,666,604 55.5 44.5 1,726,451 50.6 49.4 1,817,571 47.5 23. 1979,202 42.7 57.3 Sacramento 654,893 76.8 23.2 844,425 74.8 25.2 1,109,814 71.2 28.8 1,481,102 70.3 29.7 1,796,857 68.1 31.9 Kansas City 1,213,890 51.3 48.7 1,383,197 47.3 52.7 1,449,374 43.4 56.6 1,822,875 40.0 60.0 1,776,062 36.9 43.1 Milwaukee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 16.67,183 59.7 40.3 1,669,572 55.6 44.4 Olando 394,899 66.7 33.3 522,573 65.9 34.1 804,923 58.5 41.5 1,224,852 55.3 44.7 1,644,61 54.5 45.5 hdiamapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1380,91 57.7 42.3 1,607,486 53.5 46.5 hdiamapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1380,91 57.7 42.3 1,607,486 53.5 46.5 hdiamapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1380,91 57.7 42.3 1,607,486 53.5 46.5 hdiamapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1,310,491 57.7 42.3 1,607,486 53.5 46.5 hdiamapolis 1,070,294 65.2 34.8 1,248,33 63.5 36.5 1,305,911 58.6 41.4 1,310,491 57.7 42.3 1,1507,486 53.5 46.5 hdiamapolis 1,070,294 62.3 38.7 1,125,464 74.0 66.9 13.1	Phoenix	726,183	91.4	8.6	1,035,438	93.4	6.6	1,599,970	94.3	5.7		94.8	5.2			
Cleveland 2,2825,417 S8.3 41.7 3,098,513 S5.6 44.4 2,938,277 51.0 49.0 2,859,644 49.4 50.6 2,945,831 47.3 52.7 San Diego 1,033,011 0000 0.0 1,357,854 100.0 0.0 1,861,840 100.0 0.0 2,408,016 100.0 0.0 0.0 2,813,833 100.0 0.0 0.0 St. Louis 2,184,761 34.3 65.7 2,456,939 25.3 74.7 2,414,091 18.8 81.2 2,948,016 100.0 0.0 2,408,016 100.0 0.0 2,813,833 100.0 0.0 St. Louis 2,184,761 34.3 65.7 2,456,939 25.3 74.7 2,414,091 18.8 81.2 2,923,255 15.9 84.1 2,603,607 13.4 86.6 Denver 1,006,543 49.1 50.9 1,325,233 38.8 61.2 1,741,890 28.3 71.7 1,980,140 23.6 76.4 2,581,506 21.5 78.5 Tampa 820,443 43.5 51.5 1,105,553 44.3 55.7 1,613,603 40.1 50.9 2,067,959 140.3 59.7 2,305,997 41.7 88.3 Temberships 2,689,141 60.6 39.4 2,683,835 38.8 40.2 2,571,223 56.4 43.6 2,007,939 14.5 59.4 2,381,506 21.5 78.5 Tampa 1,024,165 51.0 49.0 1,264,790 44.0 56.0 1,583,467 35.5 64.5 1,793,476 32.6 67.4 2,265,223 29.2 70.8 Clincimati 1,520,222 56.8 43.2 1,666,604 55.5 44.5 1,726,451 50.6 49.4 1,817,571 47.5 23. 1979,202 42.7 57.3 Sacramento 654,893 76.8 23.2 844,425 74.8 25.2 1,109,814 71.2 28.8 1,481,102 70.3 29.7 1,796,857 68.1 31.9 Kansas City 1,213,890 51.3 48.7 1,383,197 47.3 52.7 1,449,374 43.4 56.6 1,822,875 40.0 60.0 1,776,062 36.9 43.1 Milwaukee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 16.67,183 59.7 40.3 1,669,572 55.6 44.4 Olando 394,899 66.7 33.3 522,573 65.9 34.1 804,923 58.5 41.5 1,224,852 55.3 44.7 1,644,61 54.5 45.5 hdiamapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1380,91 57.7 42.3 1,607,486 53.5 46.5 hdiamapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1380,91 57.7 42.3 1,607,486 53.5 46.5 hdiamapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1380,91 57.7 42.3 1,607,486 53.5 46.5 hdiamapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1,310,491 57.7 42.3 1,607,486 53.5 46.5 hdiamapolis 1,070,294 65.2 34.8 1,248,33 63.5 36.5 1,305,911 58.6 41.4 1,310,491 57.7 42.3 1,1507,486 53.5 46.5 hdiamapolis 1,070,294 62.3 38.7 1,125,464 74.0 66.9 13.1	Minneapolis	1,646,709	51.2	48.8	2,026,715	47.4	52.6	2,198,190	42.8	57.2		40.7			-	
San Diego 1,033,011 100,0 0.0 1,357,854 100,0 0.0 1,861,846 100,0 0.0 2,498,016 100,0 0.0 2,813,833 100,0 0.0 St. Louis 2,184,761 34.3 65.7 2,456,395 25.3 74.7 2,414,091 18.8 81.2 2,492,525 15.9 84.1 2,603,607 13.4 86.6 Deriver 1,006,543 49.1 50.9 1,352,533 38.8 61.2 1,741,899 28.3 71.7 1,980,140 23.6 76.4 2,581,506 21.5 78.5 Tampa 820,443 48.5 51.5 1,105,553 44.3 55.7 1,613,603 40.1 59.9 2,067,959 40.3 59.7 2,395,997 41.7 58.3 Fittsburgh 2,689,414 60.6 39.4 2,683,853 59.8 40.2 2,571,223 56.4 41.6 2,394,811 55.8 44.2 2,358,695 54.3 45.7 Portland 1,024,165 51.0 49.0 1,264,790 44.0 56.0 1,583,467 35.5 64.5 1,793,476 32.6 67.4 2,265,223 29.2 70.5 Portland 1,1520,222 56.8 43.2 1,666,064 55.5 44.5 1,726,451 50.6 49.4 1,817,571 47.7 52.3 1,979,202 42.7 57.3 Sacramento 654,893 76.8 23.2 844,425 74.8 25.2 1,099,814 71.2 28.8 1,481,102 70.3 29.7 1,796,837 68.1 31.9 Milwankee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 16.5 1,607,183 59.7 40.3 1,766,023 59.6 44.4 Orlando 394,899 65.7 33.3 522,575 65.9 34.1 80,422 58.5 41.5 1,224,852 55.3 44.7 1,644,561 54.5 58.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 92.1 3,247,49 89.5 10.5 1,599,383 87.7 12.5 Norfolk 727,004 42.1 57.9 1,056,027 29.2 70.8 1,206,998 22.2 77.8 1,445,244 18.1 81.9 1,599,383 87.5 12.5 Norfolk 727,004 42.1 57.9 1,056,027 29.2 70.8 1,206,998 22.2 77.8 1,445,244 18.1 81.9 1,599,383 87.5 12.5 Norfolk 727,004 42.1 57.9 1,056,027 29.2 70.8 1,206,998 22.2 77.8 1,445,244 18.1 81.9 1,599,383 87.5 12.5 Norfolk 727,004 42.1 57.9 1,056,027 29.2 70.8 1,206,998 22.2 77.8 1,445,244 18.1 81.9 1,599,383 87.4 13.3 1,307,726 36.6 44.4 58.9 13.1 80,342 42.2 57.8 971,919 14.6 58.4 1,145,244 18.1 81.9 1,599,383 87.5 12.5 Norfolk 727,004 42.1 57.9 1,056,027 29.2 70.8 1,206,998 22.2 77.8 1,445,244 18.1 81.9 1,599,383 87.5 12.5 Norfolk 727,004 42.1 57.9 1,056,027 29.2 70.8 1,206,998 22.2 77.8 1,445,244 18.1 81.9 1,599,383 87.6 13.3 80,347 42.2 57.8 971,919 14.6 58.4 11.3 1,345,36 67.3 13.0 1,563,282 80.0 12.0 1,335,346 67.0 33.0 691,44 64.1 35.9	Cleveland	2,825,417	58.3	41.7		55.6	44.4	2,938,277	51.0	49.0	2,859,644	49.4	50.6			-
St. Louis	San Diego	1,033,011	100.0	0.0	1,357,854	100.0	0.0	1,861,846	100.0	0.0	2,498,016	100.0	0.0			
Tampa 820,443 48.5 51.5 1,105,555 44.3 55.7 1,613,603 40,1 59.9 2,067,959 40,3 59.7 2,395,997 41.7 58.3 Pitsburgh 2,689,414 60.6 39.4 2,683,833 59.8 40.2 2,571,223 56.4 43.6 2,394,811 55.8 44.2 2,358,695 54.3 45.7 Portland 1,024,165 51.0 49.0 1,264,790 44.0 56.0 1,533,467 35.5 64.5 1,793,476 32.6 67.4 2,265,223 29.2 70.8 Cincinnati 1,520,222 56.8 43.2 1,666,064 55.5 44.5 1,726,451 50.6 49.4 1,817,571 47.7 52.3 1,979,202 42.7 57.3 Sacramento 654,893 76.8 23.2 844,425 74.8 25.2 1,099,814 71.2 28.8 1,481,102 70.3 29.7 1,796,857 68.1 31.9 Kansa City 1213,890 51.3 48.7 1,383,197 47.3 52.7 1,493,74 43. 56.6 1,582,875 40.0 60.0 1,776,062 36.9 36.1 31.9 Milwaukee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 1,607,183 59.7 40.3 1,689,572 55.6 44.4 Orlando 394,899 66.7 33.3 522,575 65.9 34.1 804,225 58.5 41.5 1,224,852 53.3 44.7 1,644,561 54.5 45.5 Indianapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1,380,491 57.7 42.3 1,607,486 53.5 46.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,444,244 18.1 81.9 1,569,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,445,244 18.1 81.9 1,569,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.5 Norfolk 727,048 89.5 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 38.4 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.0 Norfolk 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,145,249 13.1 6.0 1,499,293 46.4 53.6 Now Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 38.4 14.4 1.100,993 74.0 50.0 1,499,293 46.4 35.6 Now Orleans 987,695 63.5 36.6 14.4 13.5 9.8 80,505 56.2 43.8 88,0227 68.1 31.9 1,249,763 35.5 46.4 33.6 66.4 34.0 1,105,106 70.8 38.5 14.4 1,100,10 70.0 13,100,10 70.0 13,100,10 70.	St. Louis	2,184,761	34.3	65.7	2,456,395	25.3	74.7	2,414,091	18.8	81.2	2,492,525	15.9	84.1	2,603,607	13,4	86.6
Pittsburgh 2,689,414 60.6 39.4 2,683,853 59.8 40.2 2,571,223 56.4 43.6 2,394,811 55.8 44.2 2,358,665 54.3 45.7 Portland 1,024,165 51.0 49.0 1,264,790 44.0 56.0 1,583,467 35.5 64.5 1,793,476 32.6 67.4 2,265,223 29.2 70.8 Cincinnati 1,520,222 56.8 43.2 1,666,064 55.5 44.5 1,726,451 50.6 49.4 1,817,571 47.7 52.3 1,979,202 42.7 57.3 Sacramento 654,893 76.8 23.2 844,425 74.8 25.2 1,099,814 71.2 28.8 1,481,102 70.3 29.7 1,766,682 76.8 1 31.9 Kansas City 1,213,890 51.3 48.7 1,383,197 47.3 52.7 1,449,374 43.4 56.6 1,582,875 40.0 60.0 1,776,062 36.9 63.1 Milwaukee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 1,607,183 59.7 40.3 1,689,572 55.6 44.4 Orlando 394,899 66.7 33.3 522,575 65.9 34.1 80,4925 38.5 41.5 1,224,882 55.3 44.7 1,644,561 54.5 45.5 Indianapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1,380,491 57.7 42.3 1,607,486 53.5 Indianapolis 1,070,294 42.1 57.9 1,056,007 29.2 1 7.9 1,088,710 90.8 92 1,324,749 89.5 10.5 1,592,383 87.5 12.5 Norfolk 727,04 42.1 57.9 1,056,007 29.2 10.8 1,009,98 22.2 71.6 28.4 1,443,440 18.1 81.9 1,569,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,145,450 71.5 28.5 1,540,157 69.4 30.6 New Orleans 987,695 63.5 36.5 1,144,330 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,71 30.3 66.7 1,155,68 70.0 13.0 1,261,700 13.3 66.7 1,155,68 70.0 13.0 1,261,700 13.0 13.0 1,261,700 13.0 1,261,700 13.0 1,261,700 13.0 1,261,700 13.0 1,261,700 13.0	Denver	1,006,543	49.1	50.9	1,325,233	38.8	61.2	1,741,899	28.3	71.7	1,980,140	23.6	76.4	2,581,506	21.5	78.5
Portland 1,024,165 1,0 49.0 1,264,790 44.0 56.0 1,583,467 35.5 64.5 1,793,476 32.6 67.4 2,265,222 29.2 70.8 Cincinnati 1,520,222 56.8 43.2 1,666,666 55.5 44.5 1,726,451 50.6 49.4 1,817,571 47.7 52.3 1,979,202 42.7 57.3 Sacramento 654,893 76.8 23.2 844,425 74.8 25.2 1,099,814 71.2 28.8 1,481,102 70.3 29.7 1,796,857 68.1 31.9 Kansas City 1,213,890 51.3 48.7 1,383,197 47.3 52.7 1,449,374 43.4 56.6 1,582,875 40.0 60.0 1,776,062 36.9 33.1 Milwaukee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 1,607,183 59.7 40.3 1,689,572 55.6 44.4 Orlando 394,899 66.7 33.3 522,575 65.9 34.1 804,925 58.5 41.5 1,224,882 55.3 44.7 1,644,561 54.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 92 1,324,749 80.5 10.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 92 1,324,749 80.5 10.5 San Antonio 749,279 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 882,737 883,737	Tampa	820,443	48.5	51.5	1,105,553	44.3	55.7	1,613,603	40.1	59.9	2,067,959	40.3	59.7	2,395,997	41.7	58.3
Cincinnati 1,520,222 56.8 43.2 1,666,064 55.5 44.5 1,726,451 50.6 49.4 1,817,571 47.7 52.3 1,979,202 42.7 57.3 Sacramento 654,893 76.8 23.2 844,225 74.8 25.2 1,099,814 71.2 28.8 1,481,102 70.3 29.7 1,796,857 68.1 31.9 Kansas City 1,213,890 51.3 48.7 1,383,197 47.3 52.7 1,449,374 43.4 56.6 1,582,875 40.0 60.0 1,776,062 36.9 63.1 Milwaukee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 1,607,183 59.7 40.3 1,689,572 55.6 44.4 Orlando 394,899 66.7 33.3 522,575 65.9 34.1 804,925 58.5 41.5 1,224,852 55.3 44.7 1,644,561 54.5 45.5 Indianapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 88.6 41.4 1,380,491 57.7 42.3 1,607,486 53.5 46.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 92.2 77.8 1,344,749 89.5 10.5 1,592,383 87.3 12.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,444,244 18.1 81.9 1,559,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,777 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69.4 30.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,288,5270 38.7 61.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 383,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,215,150 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 850,515 58.5 43.8 840,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 383,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,215,150 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 383,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,215,150 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 383,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,215,150 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.6 6.0 389,934 34.	Pittsburgh	2,689,414	60.6	39.4	2,683,853	59.8	40.2	2,571,223	56.4	43.6	2,394,811	55.8	44.2	2,358,695	54.3	
Cincinnati 1,520,222 56.8 43.2 1,666,064 55.5 44.5 1,726,451 50.6 49.4 1,817,571 47.7 52.3 1,979,202 42.7 57.3 Sacramento 654,893 76.8 23.2 844,225 74.8 25.2 1,099,814 71.2 28.8 1,481,102 70.3 29.7 1,796,857 68.1 31.9 Kansas City 1,213,890 51.3 48.7 1,383,197 47.3 52.7 1,449,374 43.4 56.6 1,582,875 40.0 60.0 1,776,062 36.9 63.1 Milwaukee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 1,607,183 59.7 40.3 1,689,572 55.6 44.4 Orlando 394,899 66.7 33.3 522,575 65.9 34.1 804,925 58.5 41.5 1,224,852 55.3 44.7 1,644,561 54.5 45.5 Indianapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 88.6 41.4 1,380,491 57.7 42.3 1,607,486 53.5 46.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 92.2 77.8 1,344,749 89.5 10.5 1,592,383 87.3 12.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,444,244 18.1 81.9 1,559,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,777 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69.4 30.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,288,5270 38.7 61.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 383,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,215,150 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 850,515 58.5 43.8 840,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 383,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,215,150 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 383,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,215,150 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 383,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,215,150 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.6 6.0 389,934 34.	Portland	1,024,165	51.0	49.0	1,264,790	44.0	56.0	1,583,467	35.5	64.5	1,793,476	32.6	67.4		29.2	
Sacramento 654,893 76.8 23.2 844,425 74.8 25.2 1,099,814 71.2 28.8 1,481,102 70.3 29.7 1,796,857 68.1 31.9 Kansas City 1,213,890 51.3 48.7 1,383,197 47.3 52.7 1,449,374 43.4 56.6 1,582,875 40.0 60.0 1,776,062 36.9 63.1 Milwaukee 1,420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 1,607,183 59.7 40.3 1,689,572 55.6 44.4 Orlando 394,899 66.7 33.3 522,575 65.9 34.1 804,925 85.5 41.5 1,224,852 55.3 44.7 1,644,561 54.5 45.5 Indianapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1,380,491 57.7 42.3 1,607,486 53.5 46.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 9.2 1,324,749 89.5 10.5 1,592,383 87.5 12.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,443,244 18.1 81.9 1,569,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69.4 30.6 Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,00 42.8 57.2 1,285,270 38.7 61.3 1,337,726 63.8 Salt Lake City 558,539 68.6 31.4 663,391 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 389,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,183,613 52.3 47.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,183,613 52.3 47.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,183,613 52.3 47.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,183,613 52.3 47.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 85,505 56.2 43.8 895,026 51.9 48.1 1,231,311 72.5 27.5 1841646 44.2 523 38.2 61.8 536,924 42.5	Cincinnati	1,520,222	56.8	43.2	1,666,064	55.5	44.5	1,726,451	50.6	49.4		47.7	52.3	1,979,202	42.7	57.3
Milwaukee 1.420,631 72.9 27.1 1,574,526 66.9 33.1 1,570,275 61.5 38.5 1,607,183 59.7 40.3 1,689,572 55.6 44.4 Orlando 394,899 66.7 33.3 522,575 65.9 34.1 804,925 58.5 41.5 1,224,852 55.3 44.7 1,644,561 54.5 45.5 Indianapolis 1,070,294 65.2 34.8 1,248,33 63.5 36.5 1,305,911 58.6 41.4 1,380,491 57.7 42.3 1,607,486 53.5 46.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 9.2 1,324,749 89.5 10.5 1,592,383 87.5 12.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,443,244 181 81.9 1,569,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69.4 30.6 Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 481. 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 4242,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,666 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 14.8 85,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 34873 100.0 0.0 578863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 348873 100.0 0.0 578683 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 348873 100.0 0.0 578683 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 348873 100.0 0.0 578	Sacramento	654,893	76.8	23.2	844,425	74.8	25.2	1,099,814	71.2	28.8	1,481,102	70.3	29.7	1,796,857		
Orlando 394,899 66.7 33.3 522,575 65.9 34.1 804,925 58.5 41.5 1.224,852 55.3 44.7 1,644,561 54.5 45.5 Indianapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1,380,491 57.7 42.3 1,607,486 53.5 46.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 9.2 1,324,749 89.5 10.5 1,592,333 87.5 12.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,443,244 18.1 81.9 1,569,541 44.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,22 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69.4 30.6 Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 66.9 336,54 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,855 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 425,223 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,304,993 78.9 21.1 1,051,606 76.8 22.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 578863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 0.0 348753 100.0 0.0 578863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 0.0 864584 100.0 0.0 1131184 100.0 0.0 0.0 6666844 10.885,14 25.2 47.2 00.440 10.0 0.0 348753 100.0 0.0 578863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 0.0 666684 10.0 0.0 0.0 348753 100	Kansas City	1,213,890	51.3	48.7	1,383,197	47.3	52.7	1,449,374	43.4	56.6	1,582,875	40.0	60.0	1,776,062	36.9	63.1
Indianapolis 1,070,294 65.2 34.8 1,248,333 63.5 36.5 1,305,911 58.6 41.4 1,380,491 57.7 42.3 1,607,486 53.5 46.5 San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 9.2 1,324,749 89.5 10.5 1,592,383 87.5 12.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,443,244 18.1 81.9 1,569,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69.4 30.6 Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,059,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Providence 7777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,89,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 998,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 67,925 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,009,310 67.0 33.0 Grand Rapids 669,578 84.2 15.2 24.8 717	Milwaukee	1,420,631	72.9	27.1	1,574,526	66.9	33.1	1,570,275	61.5	38.5	1,607,183	59.7	40.3	1,689,572	55.6	44.4
San Antonio 749,279 91.7 8.3 901,220 92.1 7.9 1,088,710 90.8 9.2 1,324,749 89.5 10.5 1,592,383 87.5 12.5 Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,443,244 18.1 81.9 1,569,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69.4 30.6 Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.7 Raleigh 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 348504 100 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0 00.1 130160 66.5 84,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0 00.1 130160 66.1 33.9 058,839 62.5 37.5 1,083,346 61.0 39.0 00.1 130160 66.1 33.9 058,839 62.5 37.5 1,083,346 61.0 39.0 00.1 130160 66.1 33.9 058,839 62.5 37.5 1,083,346 61.0 39.0 00.1 130160 66.1 33.9	Orlando	394,899	66.7	33.3	522,575	65.9	34.1	804,925	58.5	41.5	1,224,852	55.3	44.7	1,644,561	54.5	45.5
Norfolk 727,024 42.1 57.9 1,056,027 29.2 70.8 1,200,998 22.2 77.8 1,443,244 18.1 81.9 1,569,541 14.9 85.1 Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69.4 30.6 Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 7777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,855 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Macksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Indianapolis	1,070,294	65.2	34.8	1,248,333	63.5	36.5	1,305,911	58.6	41.4	1,380,491	57.7	42.3	1,607,486	53.5	46.5
Las Vegas 139,126 91.3 8.7 304,744 89.7 10.3 528,000 87.7 12.3 852,737 87.0 13.0 1,563,282 88.0 12.0 Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69,4 30.6 Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 33.4 16.6 856,698 84.3 15.7 938,777 32.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 22810 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Backsonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	San Antonio	749,279	91.7	8.3	901,220	92.1	7.9	1,088,710	90.8	9.2	1,324,749	89.5	10.5	1,592,383	87.5	12.5
Columbus 935,532 73.0 27.0 1,125,646 74.0 26.0 1,214,297 71.6 28.4 1,345,450 71.5 28.5 1,540,157 69,4 30.6 Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Backsonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Norfolk	727,024	42.1	57.9	1,056,027	29.2	70.8	1,200,998	22.2	77.8	1,443,244	18.1	81.9	1,569,541	14.9	85.1
Charlotte 702,383 38.7 61.3 840,347 42.2 57.8 971,391 41.6 58.4 1,162,093 44.0 56.0 1,499,293 46.4 53.6 New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Las Vegas	139,126	91.3	8.7	304,744	89.7	10.3	528,000	87.7	12.3	852,737	87.0	13.0	1,563,282	88.0	12.0
New Orleans 987,695 63.5 36.5 1,144,130 51.9 48.1 1,303,800 42.8 57.2 1,285,270 38.7 61.3 1,337,726 36.2 63.8 Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Orland Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Columbus	935,532	73.0	27.0	1,125,646	74.0	26.0	1,214,297	71.6	28.4	1,345,450	71.5	28.5	1,540,157	69.4	30.6
Salt Lake City 558,539 68.6 31.4 683,913 67.1 32.9 910,222 68.0 32.0 1,072,227 67.7 32.3 1,333,914 67.3 32.7 Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Charlotte	702,383	38.7	61.3	840,347	42.2	57.8	971,391	41.6	58.4	1,162,093	44.0	56.0	1,499,293	46.4	53.6
Greensboro 724,458 34.0 66.0 838,521 34.4 65.6 951,170 33.3 66.7 1,050,304 33.1 66.9 1,251,509 33.6 66.4 Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	New Orleans	987,695	63.5	36.5	1,144,130	51.9	48.1	1,303,800	42.8	57.2	1,285,270	38.7	61.3	1,337,726	36.2	63.8
Austin 301,261 70.4 29.6 398,938 74.1 25.9 585,051 71.7 28.3 846,227 68.1 31.9 1,249,763 65.0 35.0 Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Salt Lake City	558,539	68.6	31.4	683,913	67.1	32.9	910,222	68.0	32.0	1,072,227	67.7	32.3	1,333,914	67.3	32.7
Nashville 596,865 67.0 33.0 699,144 64.1 35.9 850,505 56.2 43.8 985,026 51.9 48.1 1,231,311 46.3 53.7 Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Greensboro	724,458	34.0	66.0	838,521	34.4	65.6	951,170	33.3	66.7	1,050,304	33.1	66.9	1,251,509	33.6	66.4
Providence 777,597 73.1 26.9 852,166 68.1 31.9 865,771 66.0 34.0 1,134,350 52.6 47.4 1,188,613 52.3 47.7 Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Austin	301,261	70.4	29.6	398,938	74.1	25.9	585,051	71.7	28.3	846,227	68.1	31.9	1,249,763	65.0	35.0
Raleigh 442,523 38.2 61.8 536,952 42.5 57.5 665,236 45.3 54.7 855,545 49.5 50.5 1,187,941 52.9 47.1 Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Nashville	596,865	67.0	33.0	699,144	64.1	35.9	850,505	56.2	43.8	985,026	51.9	48.1	1,231,311	46.3	53.7
Hartford 847,157 81.4 18.6 1,034,993 78.9 21.1 1,051,606 76.8 23.2 1,157,585 73.6 26.4 1,183,110 72.5 27.5 Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Providence	777,597	73.1	26.9	852,166	68.1	31.9	865,771	66.0	34.0	1,134,350	52.6	47.4	1,188,613	52.3	47.7
Buffalo 1,306,957 81.5 18.5 1,349,211 82.5 17.5 1,242,826 81.7 18.3 1,189,288 81.4 18.6 1,170,111 81.2 18.8 Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Raleigh	442,523	38.2	61.8	536,952	42.5	57.5	665,236	45.3	54.7	855,545	49.5	50.5	1,187,941	52.9	47.1
Memphis 751,615 83.4 16.6 856,698 84.3 15.7 938,777 82.8 17.2 1,007,306 82.0 18.0 1,135,614 79.0 21.0 West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721	Hartford	847,157	81.4	18.6	1,034,993	78.9	21.1	1,051,606	76.8	23.2	1,157,585	73.6	26.4	1,183,110	72.5	27.5
West Palm Beach 228106 100.0 0.0 348753 100.0 0.0 576863 100.0 0.0 863518 100.0 0.0 1131184 100.0 0.0 Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Buffalo	1,306,957	81.5	18.5	1,349,211	82.5	17.5	1,242,826	81.7	18.3	1,189,288	81.4	18.6	1,170,111	81.2	18.8
Jacksonville 522,169 87.2 12.8 612,277 86.4 13.6 722,252 79.1 20.9 906,727 74.2 25.8 1,100,491 70.8 29.2 Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Memphis	751,615	-	16.6	856,698	84.3	15.7	938,777	82.8	17.2	1,007,306	82.0	18.0	1,135,614	79.0	21.0
Rochester 854,652 68.6 31.4 1,020,238 69.8 30.2 1,030,630 68.1 31.9 1,062,470 67.2 32.8 1,098,201 67.0 33.0 Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	West Palm Beach	228106	100.0	0.0	348753	100.0	0.0	576863	100.0	0.0	863518	100.0	0.0	1131184	100.0	0.0
Grand Rapids 669,578 54.2 45.8 763,226 53.9 46.1 840,824 52.9 47.1 937,891 53.4 46.6 1,088,514 52.8 47.2 Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Jacksonville			12.8	612,277	86.4	13.6	722,252	79.1	20.9	906,727	74.2	25.8	1,100,491	70.8	29.2
Oklahoma City 584,721 75.2 24.8 717,825 73.4 26.6 860,969 66.1 33.9 958,839 62.5 37.5 1,083,346 61.0 39.0	Rochester		68.6		1,020,238	69.8	30.2	1,030,630	68.1	31.9	1,062,470	67.2	32.8	1,098,201	67.0	33.0
	Grand Rapids	669,578	54.2	45.8	763,226	53.9	46.1	840,824	52.9	47.1	937,891	53.4	46.6	1,088,514	52.8	47.2
Louisville 788,103 77.5 22.5 904,897 76.8 23.2 953,850 71.8 28.2 948,829 70.1 29.9 1,025,598 67.6 32.4	Oklahoma City					73.4	26.6	860,969	66.1	33.9	958,839	62.5	37.5	1,083,346	61.0	39.0
	Louisville	788,103	77.5	22.5	904,897	76.8	23.2	953,850	71.8	28.2	948,829	70.1	29.9	1,025,598	67.6	32.4

Notes: Data for New York, Providence, Boston, and Hartford prior to 1990 are tabulated for NECMAs. The NECMA population is comparable to MSA populations for NY, Boston, and Hartford. However, population for Providence NECMA for 1990 was 24% less than MSA population.

Common geographies (based on June 1999 definition) were maintained for all MSAs

Exhibit 2.7 Percent Change in population - MSA, Central, and Suburban Counties: 1970-2000

1970-2000	19	70-198	0	1	980-19	90	1	990-200	00
	Area-			Area-			Area-		
Name	wide	CC	SC	wide	CC	SC	wide	CC	SC
New York	-3.0	-7.2	-2.6	3.0	4.1	2.9	8.4	3.3	8.9
Los Angeles	15.3	6.3	36.7	26.4	18.5	41.0	12.7	7.4	20.9
Chicago	2.0	-4.3	16.3	1.5	-2.8	9.6	11.1	5.3	20.6
Washington	7.3	-15.6	11.0	16.2	-4.9	18.8	13.1	-5.7	15.0
San Francisco	13.0	-5.1	16.2	16.5	6.6	17.9	12.6	7.3	13.3
Philadelphia	-0.4	-13.4	6.3	4.3	-6.1	8.7	5.0	-4.3	8.4
Boston	2.1	-11.6	4.4	2.2	2.1	2.3	6.7	3.9	7.0
Detroit	-0.3	-12.3	11.8	-2.0	-9.7	4.1	5.2	-2.4	10.4
Dallas	25.2	17.3	34.8	32.5	19.0	46.6	29.3	19.8	37.5
Houston	43.0	38.3	61.6	19.6	17.0	28.5	25.2	20.7	39.0
Atlanta	26.6	-2.9	42.2	32.5	10.0	40.6	38.9	25.7	42.6
Miami	40.0	28.2	64.2	20.7	19.1	23.3	21.4	16.3	29.3
Seattle	18.2	9.8	29.1	23.3	18.7	28.5	19.7	15.2	24.2
Phoenix	54.5	56.0	33.9	39.9	40.6	28.0	45.3	44.8	54.4
Minneapolis	8.5	-1.9	17.8	15.5	9.7	19.9	16.9	8.1	23.0
Cleveland	-5.2	-12.9	4.6	-2.7	-5.8	0.5	3.0	-1.3	7.2
San Diego	37.1	37.1		34.2	34.2		12.6	12.6	
St. Louis	-1.7	-27.2	6.9	3.2	-12.4	6.9	4.5	-12.2	7.6
Denver	31.4	-4.3	54.2	13.7	-5.0	21.0	30.4	18.6	34.0
Tampa	46.0	32.0	57.1	28.2	28.9	27.6	15.9	19.8	13.2
Pittsburgh	-4.2	-9.7	3.9	-6.9	-7.8	-5.6	-1.5	-4.1	1.8
Portland	25.2	1.1	44.2	13.3	3.8	18.5	26.3	13.1	32.7
Cincinnati	3.6	-5.5	15.0	5.3	-0.8	11.5	8.9	-2.4	19.2
Sacramento	30.2	24.1	48.6	34.7	32.9	39.0	21.3	17.5	30.3
Kansas City	4.8	-3.9	12.6	9.2	0.6	15.8	12.2	3.4	18.1
Milwaukee	-0.3	-8.5	16.3	2.4	-0.6	7.0	5.1	-2.0	15.7
Orlando	54.0	36.8	87.3	52.2	43.8	63.9	34.3	32.3	36.7
Indianapolis	4.6	-3.4	18.6	5.7	4.2	7.9	16.4	7.9	28.1
San Antonio	20.8	19.1	41.2	21.7	19.9	39.5	20.2	17.5	43.1
Norfolk	13.7	-13.3	24.9	20.2	-2.2	26.6	8.8	-10.3	13.0
Las Vegas	73.3	69.5	106.4	61.5	60.1	71.4	83.3	85.5	68.5
Columbus	7.9	4.3	18.0	10.8	10.6	11.3	14.5	11.2	22.7
Charlotte	15.6	14.0	16.8	19.6	26.5	14.7	29.0	36.0	23.5
New Orleans	14.0	-6.1	35.5	-1.4	-10.9	5.6	4.1	-2.5	8.2
Salt Lake City	33.1	35.0	29.2	17.8	17.3	18.9	24.4	23.8	25.8
Greensboro	13.4	9.9	15.3	10.4	9.5	10.9	19.2	21.2	18.2
Austin	46.7	42.0	60.0	44.6	37.4	63.1	47.7	40.9	62.1
Nashville	21.6	6.7	48.4	15.8	6.9	27.2	25.0	11.6	39.5
Providence	1.6	-1.5	8.3	31.0	4.4	82.8	4.8	4.2	5.4
Raleigh	23.9	31.9	18.0	28.6	40.5	18.8	38.9	48.3	29.6
Hartford	1.6	-1.1	11.7	10.1	5.4	25.4	2.2	0.6	6.6
Buffalo	-7.9	-8.8	-3.5	-4.3	-4.6	-2.9	-1.6	-1.9	-0.4
Memphis	9.6	7.6	20.0	7.3	6.3	11.9	12.7	8.6	31.6
West Palm Beach	65.4	65.4		49.7	49.7	-	31.0	31.0	
Jacksonville	18.0	8.0	81.3	25.5	17.9	54.6	21.4	15.7	37.6
Rochester	1.0	-1.4	6.5	3.1	1.7		3.4	3.0	4.1
Grand Rapids	10.2	8.1	12.5	11.5	12.6		16.1	14.7	17.6
Oklahoma City	19.9	8.0	52.9	11.4	5.4	23.0	13.0	10.1	17.7
Louisville	5.4	-1.4	28.1	-0.5	-2.9		8.1	4.3	16.9

Exhibit 2.8 Demographic Ratios and Percent Urban/Rural Population: 2000

MSA	Average House- hold Size	Vehicles per Household	Workers per Household	Percent Urban Population	Percent Rural Population
New York	2.68	1.26	1.20	96.6	3.4
Los Angeles	3.00	1.71	1.27	98.2	1.8
Chicago	2.72	1.56	1.28	97.2	2.8
Washington	2.59	1.66	1.34	90.1	9.9
San Francisco	2.69	1.76	1.34	97.0	
Philadelphia	2.58	1.70	1.21	93.2	3.0 6.8
Boston	2.54	1.51			
Detroit	2.54		1.31	91.3	8.7
Dallas	 	1.71	1.19	90.4	9.6
Houston	2.70	1.74	1.33	91.2	8.8
	2.80	1.68	1.27	92.0	8.0
Atlanta	2.68	1.80	1.37	88.5	11.5
Miami	2.66	1.51	1.15	99.5	0.5
Seattle	2.50	1.81	1.28	91.1	8.9
Phoenix	2.67	1.67	1.23	95.3	4.7
Minneapolis	2.56	1.77	1.40	87.9	12.1
Cleveland	2.47	1.67	1.18	89.2	10.8
San Diego	2.73	1.75	1.31	96.1	3.9
St. Louis	2.52	1.71	1.22	87.9	12.1
Denver	2.53	1.81	1.34	93.7	6.3
Tampa	2.33	1.54	1.05	94.2	5.8
Pittsburgh	2.37	1.55	1.09	82.9	17.1
Portland	2.56	1.78	1.28	87.7	12.3
Cincinnati	2.52	1.75	1.24	84.8	15.2
Sacramento	2.65	1.75	1.20	, 91.4	8.6
Kansas City	2.51	1.76	1.27	88.2	11.8
Milwaukee	2.51	1.61	1.24	92.2	7.8
Orlando	2.58	1.69	1.26	90.9	9.1
Indianapolis	2.50	1.77	1.26	86.7	13.3
San Antonio	2.78	1.67	1.25	88.7	11.3
Norfolk	2.60	1.74	1.32	91.4	8.6
Las Vegas	2.62	1.61	1.19	94.4	5.6
Columbus	2.45	1.74	1.27	86.8	13.2
Charlotte	2.55	1.80	1.31	- 78.7	21.3
New Orleans	2.59	1.45	1.13	93.5	6.5
Salt Lake City	3.04	1.97	1.49	97.9	2.1
Greensboro	2.44	1.84	1.24	68.6	31.4
Austin	2.57	1.73	1.38	84.6	15.4
Nashville	2.49	1.80	1.30	77.0	23.0
Providence	2.49	1.60	1.20	91.1	8.9
Raleigh	2.48	1.80	1.34	75.1	24.9
Hartford	2.49	1.69	1.25	85.9	14.1
Buffalo	2.42	1.48	1.11	88.0	12.0
Memphis	2.63	1.63	1.20	87.9	12.1
West Palm Beach	2.34	1.52	1.00	98.3	1.7
Jacksonville	2.54	1.68	1.24	88.9	11.1
Rochester	2.51	1.65	1.23	76.5	23.5
Grand Rapids	2.67	1.84	1.34	76.1	23.9
Oklahoma City	2.47	1.73	1.20	83.0	17.0
Louisville	2.44	1.69	1.20	87.4	12.6

Exhibit 2.9 Median Age and Income: 1990-2000

	Population			Median Income		
MSA Name	2000	1990	an Age 2000	1990	2000	
New York	21,199,865	34.3	35.9		50,795	
Los Angeles	16,373,645	30.7	32.3	36,711	45,903	
Chicago	9,157,540	32.3	33.9		51,046	
Washington	7,608,070	32.4			57,291	
San Francisco	7,039,362	33.5	35.6		62,024	
Philadelphia	6,188,463	33.6		35,797	47,528	
		33.2		40,666		
Boston	5,819,100	32.8	35.3	34,729	52,792	
Detroit	5,456,428				49,160	
Dallas	5,221,801	30.5	32.1	32,825	47,418	
Houston	4,669,571	30.5		31,488	44,761	
Atlanta	4,112,198	31.4	32.9	36,051	51,948	
Miami	3,876,380	35.5	36.5	28,503	38,632	
Seattle	3,554,760	32.9	35.3	35,047	50,733	
Phoenix	3,251,876	32.0	33.2	30,797	44,752	
Minneapolis	2,968,806	31.6	34.2	36,565	54,304	
Cleveland	2,945,831	34.2	37.2	30,332	42,215	
San Diego	2,813,833	30.8	33.2	35,022	47,067	
St. Louis	2,603,607	33.1	36.0	31,774	44,437	
Denver	2,581,506	32.6	33.8	33,126	51,088	
Tampa	2,395,997	38.5	40.0	26,036	37,406	
Pittsburgh	2,358,695	36.9	40.0	26,501	37,467	
Portland	2,265,223	33.8	34.7	31,071	46,090	
Cincinnati	1,979,202	32.2	35.0	30,977	44,914	
Sacramento	1,796,857	32.2	34.6	32,734	46,106	
Kansas City	1,776,062	32.9	35.2	31,613	46,193	
Milwaukee	1,689,572	32.7	35.5	32,359	46,132	
Orlando	1,644,561	32.1	35.3	31,230	41,871	
Indianapolis	1,607,486	32.3	34.6	31,655	45,548	
San Antonio	1,592,383	30.3	32.7	26,092	39,140	
Norfolk	1,569,541	29.7	33.6	30,841	42,448	
Las Vegas	1,563,282	32.9	35.2	30,746	42,468	
Columbus	1,540,157	31.5	33.6	30,668	44,782	
Charlotte	1,499,293	32.7	34.3	31,125	46,119	
New Orleans	1,337,726	31.8	34.8	24,442	35,317	
Salt Lake City	1,333,914	27.5	28.6	30,882	48,594	
Greensboro	1,251,509	33.9	36.0	29,254	40,913	
Austin	1,249,763	29.3	30.9	28,474	48,950	
Nashville	1,231,311	32.3	34.5	30,223	44,223	
Providence	1,188,613	34.0	36.8	31,858	41,748	
Raleigh	1,187,941	31.1	33.0	33,290	48,845	
Hartford	1,183,110	34.3	37.3	41,440	52,188	
Buffalo	1,170,111	34.7	38.0	28,084	38,488	
Memphis	1,135,614	31.1	33.2	26,994	40,201	
West Palm Beach	1,131,184	39.8	41.8	32,524	45,062	
Jacksonville	1,100,491	31.9	35.3	29,514	42,439	
Rochester	1,098,201	32.9	36.3	34,234	43,955	
Grand Rapids	1,088,514	30.5	33.2	33,515	46,116	
Oklahoma City	1,083,346	31.8	34.1	26,883	36,797	
Louisville	1,025,598	33.7	36.5	27,599		
TORIZALIE	1,023,398	33./	30.3	21,399	40,821	

Note: Median Income for 1989 was calculated using disaggregate data on income from 1990 SF 3 data. The "Pareto interpolation" method was used.

Exhibit 2.9 shows median age and income for 1990 and 2000. The areas with aging populations (ten areas' populations aged by three years or more in the decade) included northern cities of Cleveland, Washington, D.C., Pittsburgh, Buffalo, Rochester, and Hartford, CT, but also Jacksonville and Orlando. Norfolk had the largest shift, adding nearly four years to the median age of its population. Salt Lake City, plus four metros in Texas (Austin, Houston, Dallas, and Austin) are metros with younger populations, indicating both households with more children and economies that attract younger workers.

The top ten areas for median household income are San Francisco, Washington, D.C., Minneapolis, Boston, Hartford, Atlanta, Denver, Chicago, New York and Seattle. While many of the older northeastern cities have remained on the highest income list since the 80s, many new areas have been added in the 1990s, such as Atlanta and Denver and Seattle. Ten areas added over fifteen thousand dollars to their areas' median incomes; San Francisco and Austin adding over \$20,000, shown in Exhibit 2.10.

Exhibit 2.10 Areas with Greatest Change in Median Income: 1990 - 2000

Area	Change in Median Income, 1990 - 2000
San Francisco	\$ 20,565
Austin	\$ 20,476
Denver	\$ 17,962
Minneapolis	\$ 17,739
Salt Lake City	\$ 17,712
Atlanta	\$ 15,897
Seattle	\$ 15,686
Raleigh	\$ 15,555
Chicago	\$ 15,128
Portland	\$ 15,019

Worker Characteristics

In the year 2000, about 75 million workers (58.5 percent of all workers) live in the 49 large MSAs, 20 million more workers than lived in the same MSAs in 1980 (a 35 percent increase). Exhibit 2.11a shows workers as percent of population for the large MSAs for the period of 1960-1980. This table is reproduced from the 1990 Journey-to-Work Trends Report. Table 2.11b shows workers as percent of population for 1980, 1990, and 2000 using the June 1999 geographic definition of MSAs. Minneapolis, Denver, Austin, and Raleigh, NC all have over 50 percent of their population in the workforce in 2000.

The proportion of the population in the workforce is a function of the age mix, including the retirement population and the proportion of children. New Orleans, Miami, West Palm Beach, and Los Angeles are at the other end of the scale, with less than 43 percent

of the population working, generally indicating older, retired populations or a large number of households with children. Exhibit 2.12 shows the total number of workers for 1980, 1990, and 2000, along with percent change in number of workers living in the MSA for each decade.

Exhibit 2.13 shows the change in the average number of workers per household for 1980, 1990, and 2000. Workers per household can often be directly related to vehicles and income per household.

Exhibit 2.14 shows the workers by area of residence, whether central county or suburban, for 1980, 1990, and 2000, the number of central county workers for the same time period for each major MSA, and the percent change in workers in the central county. These data show large increases in the percent of workers who live in the suburban counties of major MSAs and large increases in the percent of workers who work outside the county of residence in each of the large metro areas. Because the geographic scale of analysis in this report is limited to counties, we cannot fully explore the development of the suburbs as loci of economic growth, the dispersal of workplaces and households, and suburb-to-suburb commuting.

Exhibit 2.15 shows the number of workers working in the central county (jobs) for 1980, 1990 and 2000, and the percentage change in jobs during each decade. From 1990 to 2000, fast growing areas such as Las Vegas, Phoenix, Austin, and Raleigh experienced more than 40 percent increase in central county jobs. During the same time, older MSAs such as Philadelphia, St. Louis, Norfolk, and Washington D.C. lost more than 10 percent of their central county jobs.

In addition to the demographic changes in the workforce, there have been changes in the geography of workplaces in the forty years since 1960. The separation between home and work has become greater. In 1960, only 14.5 percent of workers worked outside their county of residence, whereas in 2000, 26.6 percent of workers worked outside the county of residence. More analysis on place of work is presented in Chapter 6.

Exhibit 2.11a Workers as Percent of Population: 1960-1980

	Workers	s (Percent of	Population)
Area	1960	1970	
New York City	38.9	39.3	42.7
Los Angeles	38.0	38.3	45.1
Chicago	38.8	40.0	44.0
San Francisco	38.4	39.4	47.9
Philadelphia	37.4	38.8	41.9
Detroit	34.6	36.4	39.8
Boston		40.4	46.8
Washington, DC	41.0	43.2	51.0
Dallas	39.0	41.5	49.4
Houston	36.3	39.4	48.6
Miami	37.1	38.4	43.6
Atlanta	38.0	41.3	46.8
Cleveland	36.9	38.2	42.5
Seattle	37.3	38.4	46.7
San Diego	39.3	40.1	45.9
Minneapolis	37.8	40.6	49.5
St. Louis	36.5	37.3	42.6
Baltimore	37.5	39.6	44.6
Pittsburgh	33.8	35.5	40.3
Phoenix	35.2	37.8	43.7
Tampa	32.9	33.7	38:8
Denver	38.2	40.2	49.8
Cincinnati	35.6	37.0	41.7
Milwaukee	38.2	39.8	45.9
Kansas City	38.4	41.0	46.7
Sacramento	36.9	36.6	42.9
Portland	37.0	39.0	45.8
Columbus	36.9	38.9	44.7
San Antonio	35.3	37.1	41.9
Indianapolis	38.4	39.2	44.2
New Orleans	34.1	34.8	40.8
Buffalo	35.7	36.7	40.2
Providence		41.2	44.4
Total	37.6	39.0	44.5

Note: Data in the above table is NOT adjusted for geography. The numbers are reproduced from the 1990 Journey-to-Work Trends Report.

Exhibit 2.11b Workers as Percent of Population: 1980-2000

Exhibit 2.110	Workers (Percent of						
	Population)						
Name of MSA	1980 1990 2000						
New York	42.8	47.4					
Los Angeles	45.1	46.9	41.3				
Chicago	44.1	47.6	46.1				
Washington, DC	47.7	53.7	50.5				
San Francisco	47.8	51.2	48.8				
Philadelphia	41.5	47.3	45.5				
Boston	46.3	50.6	49.8				
Detroit	39.4	44.2	45.5				
Dallas	49.1	50.5	48.4				
Houston	48.5	47.4	44.6				
Atlanta	46.3	52.1	50.1				
Miami	43.5	46.2	42.4				
Seattle	46.2	50.5	50.0				
Phoenix	43.1	46.3	45.1				
Minneapolis	49.2	53.0	53.7				
Cleveland	49.2	44.8	46.7				
San Diego	45.9	49.3	46.2				
St. Louis	42.5	46.8					
	42.3	51.9	47.6				
Denver	38.4	44.2	52.1				
Tampa	39.7	44.2	44.4				
Pittsburgh Portland			44.8				
	44.5	48.0	48.8				
Cincinnati	41.5	46.4	48.1				
Sacramento	43.0	46.3	44.5				
Kansas City	46.0	49.2	49.6				
Milwaukee	45.8	48.1	48.3				
Orlando	44.8	50.2	47.8				
Indianapolis	44.1	49.5	49.5				
San Antonio	41.9	43.7	43.9				
Norfolk	45.6	49.9	48.4				
Las Vegas	47.6	48.8	44.9				
Columbus	44.3	49.3	50.5				
Charlotte	48.5	52.0	50.1				
New Orleans	40.6	41.4	42.6				
Salt Lake City	42.2	44.7	48.2				
Greensboro	47.9	52.4	49.5				
Austin	47.6	51.0	52.0				
Nashville	45.6	50.3	50.5				
Providence	44.1	47.7	46.7				
Raleigh	48.6	53.9	52.0				
Hartford	48.5	51.6	48.4				
Buffalo	40.3	44.7	44.5				
Memphis	41.0	45.5	45.0				
West Palm Beach	40.4	44.0	42.0				
Jacksonville	43.1	49.0	48.0				
Rochester	44.0	48.0	47.1				
Grand Rapids	42.5	47.2	48.9				
Oklahoma City	46.2	46.9	47.0				
Louisville	41.8	46.7	48.1				

Exhibit 2.12 Total Workers Living in MSA: 1980-2000

	Ambit 2.12 Total Workers Living in MSA. 1						
		Amograida		Decadal Percent Change			
Name of MSA	1980	Areawide 1990	2000	1980-90	1990-2000		
New York	8,133,936	9,271,089	9,319,218	14.0	0.5		
Los Angeles	5,184,393	6,809,043	6,767,619	31.3	-0.6		
Chicago	3,575,803	3,922,295	4,218,108		7.5		
Washington, DC	2,760,794			30.8	6.3		
San Francisco		3,611,094	3,839,052	24.9	7.2		
Philadelphia	2,563,329	3,200,833	3,432,157				
Boston	2,347,072 2,471,832	2,784,581	2,815,405	18.6 11.7	1.1		
Detroit	2,085,116	2,760,435	2,898,680	10.0	5.0 8.2		
Dallas	1,494,568	2,294,108	2,482,457	36.4			
Houston	7	2,038,398	2,527,648		24.0		
Atlanta	1,512,080	1,768,567	2,081,607	17.0	17.7		
Miami	1,033,088	1,542,948	2,060,632	49.4	33.6		
Seattle	1,150,471	1,476,085	1,642,866	28.3	11.3		
Phoenix	1,113,261	1,499,734	1,776,224	34.7	18.4		
	688,912	1,036,017	1,466,434	50.4	41.5		
Minneapolis Cleveland	1,081,772	1,344,797	1,595,550	24.3	18.6		
San Diego	1,242,438	1,282,092	1,375,774	3.2	7.3		
St. Louis	854,600	1,230,446	1,299,503	44.0	5.6		
	1,026,288	1,166,023	1,238,964	12.9	6.3		
Denver	859,989	1,026,847	1,346,025	19.4	31.1		
Tampa	619,119	914,711	1,063,957	47.7	16.3		
Pittsburgh	1,021,047	1,023,825	1,057,354	0.3	3.3		
Portland	704,392	861,141	1,105,133	22.3	28.3		
Cincinnati	716,583	844,125	951,709	17.8	12.7		
Sacramento	472,640	685,945	799,989	45.1	16.6		
Kansas City	666,940	778,624	881,258	16.7	13.2		
Milwaukee	719,555	772,752	816,880	7.4	5.7		
Orlando	360,312	614,382	786,243	70.5	28.0		
Indianapolis	575,905	683,007	795,755	18.6	16.5		
San Antonio	456,656	578,529	698,685	26.7	20.8		
Norfolk	547,803	720,890	760,401	31.6	5.5		
Las Vegas	251,501	416,025	702,535	65.4	68.9		
Columbus	537,727	663,006	777,922	23.3	17.3		
Charlotte	470,708	604,856	751,629	28.5	24.3		
New Orleans	528,868	531,697	570,423	0.5	7.3		
Salt Lake City	383,938	479,338	642,688	24.8	34.1		
Greensboro	455,515	550,325	618,921	20.8	12.5		
Austin	278,251	431,345	649,645	55.0	50.6		
Nashville	387,660	495,717	621,221	27.9	25.3		
Providence	381,643	540,872	555,540	41.7	2.7		
Raleigh	323,005	461,516	617,475	42.9	33.8		
Hartford	510,174	597,831	573,114	17.2	-4.1		
Buffalo	500,364	531,122	520,350	6.1	-2.0		
Memphis	384,793	458,534	511,111	19.2	11.5		
West Palm Beach	233,303	380,260	475,572	63.0	25.1		
Jacksonville	311,207	443,882	527,718	42.6	18.9		
Rochester	453,387	509,733	516,814	12.4	1.4		
Grand Rapids	357,673	442,228	531,924	23.6	20.3		
Oklahoma City	397,394	450,122	509,262	13.3	13.1		
Louisville	398,355	442,933	492,821	11.2	11.3		

Exhibit 2.13 Ratio of Workers and Households: 1980-2000

EXHIDIT 2.13 No	auo o	1 11 01	KC13
Name	1980	1990	2000
New York	1.19	1.30	1.20
Los Angeles	1.25	1.39	1.27
Chicago	1.26	1.32	
Washington, DC	1.34	1.45	1.34
San Francisco	1.25	1.37	1.34
Philadelphia	1.19	1.29	1.21
Boston	1.31	1.36	1.31
Detroit	1.14	1.20	1.19
Dallas	1.35	1.35	1.33
Houston	1.37	1.32	
Atlanta	1.31	1.40	
Miami	1.12	1.21	
Seattle	1.23		
Phoenix	1.20		
Minneapolis	1.37	1.40	
Cleveland	1.18		
San Diego	1.27		
St. Louis	1.20		
Denver	1.32	1.31	1.34
Tampa	0.94		
Pittsburgh	1.09		
Portland	1.17	1.25	_
Cincinnati	1.18		
Sacramento	1.13		
Kansas City	1.25		
Milwaukee	1.28		
Orlando	1.22		
Indianapolis	1.23		
San Antonio	1.29		
Norfolk	1.36		1.32
Las Vegas	1.26		
Columbus	1.22		+
Charlotte	1.37		\vdash
New Orleans	1.17	1.13	
Salt Lake City	1.32		
Greensboro	1.33	_	+
Austin	1.31	-	
Nashville	1.28		$\overline{}$
Providence	1.23		*****************
Raleigh	1.37	1.38	
Hartford	1.37		
Buffalo	1.12	• 	
Memphis	1.21	1.25	
West Palm Beach	1.00		
Jacksonville	1.20		1
Rochester	1.25		
Grand Rapids	1.24		
Oklahoma City Louisville	1.23		1.20

Exhibit 2.14 Workers by Area of Residence: 1980-2000

EXHIBIT 2.14	1 Residence: 1980-2000								
Nama		980	0/00	£	990	0400		000	Ta. + :-
Name New York	Areawide	% CC		Areawide	% CC	%SC	Areawide	% CC	%SC
	8,133,936	8.3	91.7	9,271,089		91.9	9,319,218	8.1	91.9
Los Angeles	5,184,393	65.1	34.9	6,809,043		39.6	6,767,619	57.0	43.0
Chicago	3,575,803	63.8	36.2	3,922,295	60.4	39.6	4,218,108	56.2	43.8
Washington, DC	2,760,794	10.7	89.3	3,611,094	8.4	91.6	3,839,052	6.8	93.2
San Francisco	2,563,329	13.1	86.9	3,200,833	11.9	88.1	3,432,157	12.2	87.8
Philadelphia	2,347,072	25.9	74.1	2,784,581	23.0	77.0	2,815,405	20.2	79.8
Boston	2,471,832	11.7	88.3	2,760,435	11.7	88.3	2,898,680	11.1	88.9
Detroit	2,085,116	40.5	59.5	2,294,108	35.9	64.1	2,482,457	33.3	66.7
Dallas	1,494,568	52.9	47.1	2,038,398	46.3	53.7	2,527,648	41.1	58.9
Houston	1,512,080	79.1	20.9	1,768,567	76.7	23.3	2,081,607	72.8	27.2
Atlanta	1,033,088	24.4	75.6	1,542,948	20.4	79.6	2,060,632	18.7	81.3
Miami	1,150,471	63.1	36.9	1,476,085	60.2	39.8	1,642,866	54.7	45.3
Seattle	1,113,261	56.2	43.8	1,499,734	53.7	46.3	1,776,224	51.3	4 8.7
Phoenix	688,912	95.6	4.4	1,036,017	96.2	3.8	1,466,434	95.9	4.1
M inneapolis	1,081,772	45.0	55.0	1,344,797	41.7	58.3	1,595,550	38.1	61.9
Cleveland	1,242,438	51.5	48.5	1,282,092	48.2	51.8	1,375,774	45.3	54.7
San Diego	854,600	100.0	0.0	1,230,446	100.0	0.0	1,299,503	100.0	0.0
St. Louis	1,026,288	16.4	83.6	1,166,023	13.6	86.4	1,238,964	11.4	88.6
Denver	859,989	28.2	71.8	1,026,847	22.5	77.5	1,346,025	20.7	79.3
Tampa	619,119	45.3	54.7	914,711	44.9	55.1	1,063,957	44.2	55.8
Pittsburgh	1,021,047	58.8	41.2	1,023,825	58.2	41.8	1,057,354	55.1	44.9
Portland	704,392	37.1	62.9	861,141	33.3	66.7	1,105,133	30.3	69.7
Cincinnati	716,583	51.8	48.2	844,125	47.3	52.7	951,709	41.9	58.1
Sacramento	472,640	72.0	28.0	685,945	70.3	29.7	799,989	67.0	33.0
Kansas City	666,940	43.4	56.6	778,624	39.2	60.8	881,258	35.3	64.7
Milwaukee	719,555	60.9	39.1	772,752	56.9	43.1	816,880	52.3	47.7
Orlando	360,312	61.9	38.1	614,382	58.0	42.0	786,243	55.9	44.1
Indianapolis	575,905	60.3	39.7	683,007	58.1	41.9	795,755	53.4	46.6
San Antonio	456,656	90.8	9.2	578,529	89.3	10.7	698,685	87.0	13.0
Norfolk	547,803	23.3	76.7	720,890	18.1	81.9	760,401	14.7	85.3
Las Vegas	251,501	90.4	9.6	416,025	89.2	10.8	702,535	89.9	10.1
Columbus	537,727	73.6	26.4	663,006	73.5	26.5	777,922	70.5	29.5
Charlotte	470,708	43.1	56.9	604,856	45.8	54.2	751,629	48.3	51.7
New Orleans	528,868	40.4	59.6	531,697	35.2	64.8	570,423	33.1	66.9
Salt Lake City	383,938	69.4	30.6	479,338	68.7	31.3	642,688	68.2	31.8
Greensboro	455,515	33.6	66.4	550,325	33.8	66.2	618,921	34.4	65.6
Austin	278,251	75.3	24.7	431,345	70.2	29.8	649,645	66.7	33.3
Nashville	387,660	58.1	41.9	495,717	52.8	47.2	621,221	46.0	54.0
Providence	381,643	65.2	34.8	540,872	51.1	48.9	555,540	49.7	50.3
Raleigh	323,005	47.1	52.9	461,516	51.4	48.6	617,475	54.8	45.2
Hartford	510,174	76.8	23.2	597,831	72.4	27.6	573,114	70.5	29.5
Buffalo	500,364	81.7	18.3	531,122	81.5	18.5	520,350	81.1	18.9
M emphis	384,793	84.7	15.3	458,534	82.8				
West Palm Beach	233,303	100.0	0.0	380,260	100.0	17.2	511,111	78.8	21.2
Jacksonville	311,207	80.4	19.6			0.0	475,572	100.0	0.0
Rochester				443,882	75.1	24.9	527,718	70.9	29.1
Grand Rapids	453,387	69.8	30.2	509,733	68.1	31.9	516,814	66.8	33.2
Oklahoma City	357,673	54.8	45.2	442,228	54.9	45.1	531,924	53.4	46.6
	397,394	67.6	32.4	450,122	62.5	37.5	509,262	59.9	40.1
Louisville	398,355	73.0	27.0	442,933	70.3	29.7	492,821	66.8	33.2

Exhibit 2.15 Number of Workers Working in Central County (Jobs): 1980-2000

	Centra	l County W	Percent Change			
Name of MSA	1980	1990	2000	1980-90	90-2000	
New York	677,228	754,148	753,114	11.4	-0.1	
Los Angeles	3,373,977	4,115,248	3,858,750	22.0	-6.2	
Chicago	2,281,356	2,369,624	2,371,161	3.9	0.1	
Washington, DC	295,131	304,428	260,884	3.2	-14.3	
San Francisco	336,627	382,309	418,553	13.6	9.5	
Philadelphia	608,391	640,577	569,761	5.3	-11.1	
Boston	287,984	324,109	320,979	12.5	-1.0	
Detroit	843,481	822,620	827,311	-2.5	0.6	
Dallas	790,120	943,146	1,038,779	19.4	10.1	
Houston	1,196,293	1,356,196	1,515,593	13.4	11.8	
Atlanta	252,028	315,366	385,442	25.1	22.2	
Miami	726,152	887,996	899,323	22.3	1.3	
Seattle	626,076	805,782	911,677	28.7	13.1	
Phoenix	658,834	996,495	1,406,442	51.3	41.1	
Minneapolis	486,820	561,081	607,567	15.3	8.3	
Cleveland	639,901	617,552	622,876	-3.5	0.9	
San Diego	854,600	1,230,446	1,299,503	44.0	5.6	
St. Louis	168,199	158,499	140,747	-5.8	-11.2	
Denver	242,856	231,503	278,715	-4.7	20.4	
Tampa	280,154	410,950	470,753	46.7	14.6	
Pittsburgh	600,456	595,405	582,362	-0.8	-2.2	
Portland	261,334	286,600	335,182	9.7	17.0	
Cincinnati	371,368	399,406	398,465	7.5	-0.2	
Sacramento	340,105	482,321	536,310	41.8	11.2	
Kansas City	289,506	304,852	310,789	5.3	1.9	
Milwaukee	438,003	439,449	427,620	0.3	-2.7	
Orlando	222,907	356,271	439,323	59.8	23.3	
Indianapolis	347,080	396,584	424,598	14.3	7.1	
San Antonio	414,720	516,606	607,860	24.6	17.7	
Norfolk	127,689	130,549	112,083	2.2	-14.1	
Las Vegas	227,263	371,128	631,236	63.3	70.1	
Columbus	395,783	487,305	548,655	23.1	12.6	
Charlotte	202,915	277,227	362,991	36.6	30.9	
New Orleans	213,918	186,926	188,703	-12.6	1.0	
Salt Lake City	266,384	329,238		23.6	33.2	
Greensboro	153,243	185,853	213,079	21.3	14.6	
Austin	209,396			44.7	43.0	
Nashville	225,262		285,980	16.2	9.3	
Providence	249,009		276,324	11.0	0.0	
Raleigh	152,194		338,602	55.8	42.8	
Hartford	392,068			10.4	-6.7	
Buffalo	408,836			5.9	-2.6	
Memphis	325,852			16.5	6.0	
West Palm Beach	233,303			63.0	25.1	
Jacksonville	250,332			33.1	12.3	
Rochester	316,287			9.7	-0.6	
Grand Rapids	196,123			23.9	17.0	
Oklahoma City	268,507			4.7	8.5	
Louisville	290,785	311,336	329,091	7.1	5.7	

Chapter 3

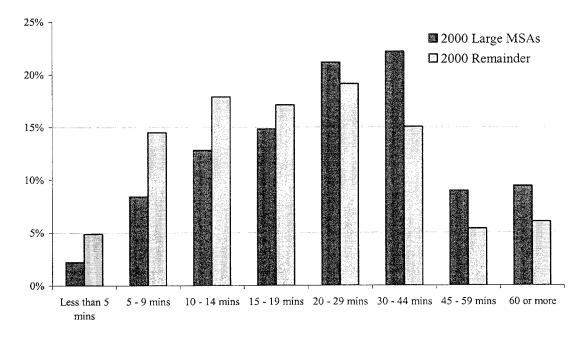
TRAVEL TIME AND DEPARTURE TIME

Travel Time

American workers are spending more time than ever getting to work. In 2000, the average travel time to work was 25 minutes and 30 seconds, and increase of over two minutes compared to 1990, after accounting for coding differences¹. Ten million workers nationwide now travel 60 minutes or more to their jobs, and 6.7 million of them are workers in large MSAs.

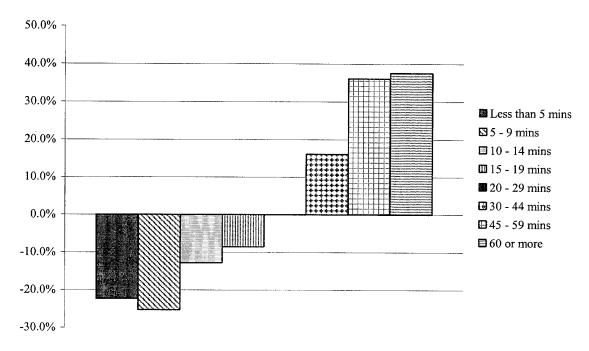
Workers in major metro areas had longer commutes than workers in the rest of the nation. Every one of the 49 metro areas of 1 million or more population saw increased travel time to work. In these large metro areas, 28.7 million commuters usually traveled over 30 minutes to work (see Exhibit 3.1). The change in travel time between 1990 and 2000 shows workers in major MSAs increasingly traveling 45 and even 60 minutes one-way to their places of employment (see Exhibit 3.2).

Exhibit 3.1 Travel Time to Work - Large MSAs and Rest of the Nation: 2000



¹ Some of the increase may be due to the coding of very long trips (those over 100 minutes). The real difference is considered to be just over two minutes. See Chapter 7 for more details.





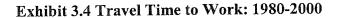
Change in Travel	Less than	5 - 9	10 - 14	15 - 19	20 - 29	30 - 44	45 - 59	60 or
	5 mins	mins	mins	mins	mins	mins	mins	more
Time Indexed to Percent of Added Workers	-22.3%	-25.3%	-12.8%	-8.5%	0.0%	16.1%	36.1%	37.5%

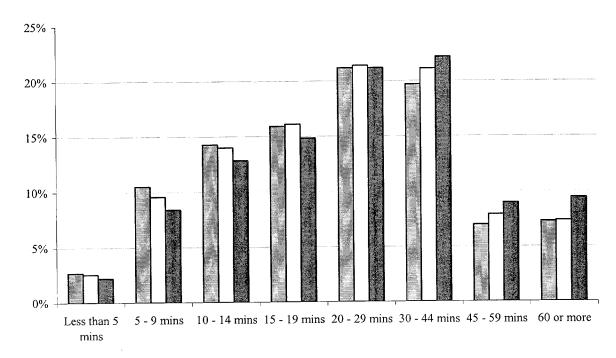
In 2000, the MSAs with the longest travel times after New York (34.0 minutes) are Washington, D.C. (31.7 minutes), Atlanta (31.2 Minutes), and Chicago (31.0 Minutes). Workers in Atlanta reported the largest increase in travel time since 1990, with an increase of 5.2 minutes. The average increase for all major metro areas was 3.1 minutes between 1990 and 2000--twenty of the larger MSAs showed an increase of greater than 3.1 minutes (see Exhibit 3.3 and Exhibit 3.5).

Exhibit 3.3 Areas with a Greater than Average Increase in Travel Time (in minutes): 1990-2000

minutes): 1990-2000									
	1990 Average	2000 Average	Change in						
MSA Name	Travel Time	Travel Time	Travel Time						
Atlanta	26.0	31.2	5.2						
Miami	24.1	28.9							
West Palm Beach	20.9		4.8						
Raleigh	20.2		4.7						
Charlotte	21.6		4.5						
Boston	23.6	· · · · · · · · · · · · · · · · · · ·	4.2						
Orlando	22.8	27.0	4.2						
New York	30.0	34.0	4.1						
Jacksonville	22.6	26.6	4.0						
Philadelphia	24.0	27.9	3.9						
Austin	21.7	25.5	3.8						
Tampa	21.8	25.6	3.8						
Sacramento	21.8	25.6	3.8						
Las Vegas	20.3	24.1	3.8						
San Francisco	25.6	29.3	3.7						
Denver	22.2	25.9	3.7						
Providence	19.6	23.2	3.6						
Seattle	24.1	27.7	3.6						
Greensboro	18.8	22.4	3.6						
Washington, DC	28.2	31.7	3.5						
Dallas	24.1	27.5	3.4						

A declining proportion of workers have short commutes (less than 15 minutes) in the large metro areas, and a greater proportion of workers are traveling 45 minutes and more (see Exhibit 3.4). Austin, Orlando, and Las Vegas all saw large shifts away from the shortest commutes (10 percentage points or more). As reflected in the average travel time, New York had the greatest proportion of workers traveling 60 minutes or more, 18.4 percent, followed by Chicago with 13.2 percent (see Exhibit 3.6).





■ 1980 Large MSAs □ 1990 Large MSAs ■ 2000 Large MSAs

Year	5 mins or less	5 - 9 mins	10 - 14 mins	15 - 19 mins	20 - 29 mins	30 - 44 mins	45 - 59 mins	60 or more
1980	2.7%	10.5%	14.3%	15.9%	21.2%	19.7%	7.0%	7.3%
1990	2.6%	9.6%	14.0%	16.1%	21.4%	21.1%	7.9%	7.4%
2000	2.2%	8.4%	12.8%	14.8%	21.2%	22.2%	9.0%	9.4%

The shift to drove alone as a commute mode in the 1980s may have deferred large increases in travel time during that decade, since driving is generally a faster mode than others. Suburbanization also saves travel time for first residents to new development since, although the distance may have increased for a commute, less congested and higher order facility types may be used. The increase in travel time during the 1990s may be a reflection of the shift to private vehicle and the continued dispersal of residences and jobs.

In 1980, 43.4 percent of commuters traveled less than 20 minutes one-way to their place of work, by 2000 only 38.2 percent did. Conversely, in 1980, 34.0 percent of commuters traveled more than 30 minutes one-way, by 2000, 40.6 percent did. In six large areas, 10 to 20 percent of workers travel 60 minutes or more one-way to their place of work (see Exhibit 3.6).

Exhibit 3.5 Mean Travel Time to Work: 1990-2000

EXHIBIT 3.5 MEAN	TIAVELLIIIIC	to work.	270-2000			

Name of MC A	70. (.) 33			-Did Not Work	Average Travel Time (in minutes)	
Name of MSA	Total V	····		ome		
NT (* 100 (1	1990	2000	1990	2000	1990	2000
National Total	115,070,274	128,279,228	111,664,249	124,095,005	22.4	25.5
New York	9,271,089	9,319,218	9,051,858	9,042,068	30.0	34.0
Los Angeles	6,809,043	6,767,619	6,622,941	6,526,168	26.4	29.1
Chicago	3,922,295	4,218,108	3,838,745	4,096,437	27.9	31.0
Washington, DC	3,611,094	3,839,052	3,514,395	3,704,993	28.2	31.7
San Francisco	3,200,833	3,432,157	3,089,268	3,292,677	25.6	29.3
Philadelphia	2,784,581	2,815,405	2,722,107	2,735,588	24.0	27.9
Boston	2,760,435	2,898,680	2,691,278	2,807,063	23.6	27.8
Detroit	2,294,108	2,482,457	2,253,594	2,425,776	23.1	26.1
Dallas	2,038,398	2,527,648	1,991,675	2,452,248	24.1	27.5
Houston	1,768,567	2,081,607	1,732,043	2,029,963	26.1	28.8
Atlanta	1,542,948	2,060,632	1,508,734	1,988,669	26.0	31.2
Miami	1,476,085	1,642,866	1,446,936	1,597,208	24.1	28.9
Seattle	1,499,734	1,776,224	1,446,175	1,701,619	24.1	27.7
Phoenix	1,036,017	1,466,434	1,005,946	1,412,735	23.0	26.1
Minneapolis	1,344,797	1,595,550	1,298,295	1,534,939	21.2	23.7
Cleveland	1,282,092	1,375,774	1,256,550	1,339,156	21.9	24.0
San Diego	1,230,446	1,299,503	1,169,161	1,242,321	22.2	25.3
St. Louis	1,166,023	1,238,964	1,137,946	1,203,672	23.2	25.5
Denver	1,026,847	1,346,025	988,832	1,282,540	22.2	25.9
Tampa	914,711	1,063,957	893,942	1,030,612	21.8	25.6
Pittsburgh	1,023,825	1,057,354	1,002,081	1,031,612	22.5	25.3
Portland	861,141	1,105,133	828,156	1,054,294	21.5	24.4
Cincinnati	844,125	951,709	825,666	925,726	22.4	24.3
Sacramento	685,945	799,989	664,607	767,710	21.8	25.6
Kansas City	778,624	881,258	756,935	851,197	21.5	22.9
Milwaukee	772,752	816,880	755,421	796,076	20.0	22.1
Orlando	614,382	786,243	602,100	763,736	22.8	27.0
Indianapolis	683,007	795,755	666,683	772,342	21.8	23.8
San Antonio	578,529	698,685	564,921	680,739	22.0	24.5
Norfolk	720,890	760,401	682,931	740,059	21.8	24.1
Las Vegas	416,025	700,401	409,557	686,059	20.3	24.1
Columbus	663,006				21.2	
Charlotte	604,856	777,922 751,629	647,894	754,876	21.6	23.2
· · · · · · · · · · · · · · · · · · ·			593,466	730,647		26.1
New Orleans	531,697	570,423	522,522	556,672	24.3	26.7
Salt Lake City	479,338	642,688	464,492	618,443	19.8	22.4
Greensboro	550,325	618,921	539,047	604,027	18.8	22.4
Austin	431,345	649,645	418,607	626,278	21.7	25.5
Nashville	495,717	621,221	482,975	601,234	22.7	25.8
Providence	540,872	555,540	531,460	543,921	19.6	23.2
Raleigh	461,516	617,475	450,723	596,100	20.2	24.9
Hartford	597,831	573,114	585,942	558,684	20.7	22.9
Buffalo	531,122	520,350	521,314	509,457	19.4	21.1
Memphis	458,534	511,111	451,644	499,982	21.8	24.6
West Palm Beach	380,260	475,572	370,090	456,118	20.9	25.7
Jacksonville	443,882	527,718	432,361	515,651	22.6	26.6
Rochester	509,733	516,814	497,134	501,901	19.8	21.1
Grand Rapids	442,228	531,924	429,764	515,495	18.3	20.7
Oklahoma City	450,122	509,262	438,861	494,818	20.3	22.0
Louisville	442,933	492,821	434,608	481,234	21.3	22.7

Exhibit 3.6 Percent distribution of Workers who Did Not Work at Home by Travel Time to Work: 1980-2000

1 ime		s Thar								l			60	or mo	re
	l .	Minute		15 -	29 Mii	nutes	30 - 44 Minutes 45 - 59 Minutes			nutes	Minutes				
MSA Name	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000
New York	23.7	23.3	20.2	30.1	30.0	28.8	19.3	20.7	21.3	9.5	10.5	11.3	17.4	15.6	18.4
Los Angeles	27.7	24.5	22.4	38.0	35.3	34.9	20.5	22.2	22.6	7.2	8.5	9.0	6.7	9.5	11.1
Chicago	25.1	23.7	21.3	31.8	31.5	30.3	21.9	23.1	23.5	10.1	10.8	11.7	11.1	10.8	13.2
Washington, DC	20.9	20.0	17.7	34.5	33.8	32.1	24.7	24.7	24.9	10.6	11.6	12.4	9.3	9.9	12.8
San Francisco	27.4	25.9	22.2	37.5	39.2	34.0	20.2	21.4	22.0	7.8	7.6	10.0	7.1	5.9	11.8
Philadelphia	27.9	27.8	24.7	35.8	36.4	34.6	20.3	20.9	21.7	8.2	8.6	9.5	7.8	6.3	9.5
Boston	34.4	30.3	25.6	35.5	34.7	32.8	17.9	20.5	22.0	6.6	8.1	9.8	5.6	6.4	9.9
Detroit	27.5	26.9	24.5	40.7	40.5	38.2	21.0	21.0	22.1	6.6	7.0	8.6	4.2	4.6	6.6
Dallas	27.0	24.6	22.4	39.8	39.0	35.9	21.8	23.0	24.0	6.7	8.1	9.9	4.6	5.3	7.8
Houston	23.3	22.7	21.0	34.5	35.7	33.8	24.1	24.4	25.1	9.8	9.9	10.9	8.2	7.4	9.2
Atlanta	23.6	21.3	18.3	36.3	36.2	32.4	23.9	25.2	25.1	9.1	10.9	12.4	7.0	6.4	11.8
Miami	25.1	22.6	19.0	40.2	39.3	35.3	23.6	25.7	26.7	6.4	7.8	10.3	4.7	4.7	8.8
Seattle	28.4	26.0	23.4	40.3	39.8	36.6	20.3	22.8	22.2	6.0	7.2	8.7	5.0	4.3	9.1
Phoenix	30.5	27.5	23.8	39.9	39.3	37.0	20.6	22.1	24.1	5.0	6.8	8.8	4.0	4.4	6.3
Minneapolis	32.8	29.3	26.4	42.2	43.7	41.4	17.5	18.8	21.3	4.7	5.2	6.7	2.8	2.9	4.2
Cleveland	28.8	28.8	27.3	40.4	41.5	40.6	20.5	20.3	20.8	6.3	5.9	6.6	4.0	3.5	4.7
San Diego	34.5	25.4	24.7	42.6	36.1	40.7	16.3	21.4	21.6	3.4	8.8	6.7	3.2	8.2	6.4
St. Louis	27.1	32.3	24.9	38.8	46.3	37.9	22.6	14.9	23.1	7.2	3.3	8.4	4.3	3.1	5.6
Denver	28.5	27.9	24.0	41.7	41.7	38.1	20.8	20.9	23.7	5.3	5.8	8.2	3.7	3.7	6.0
Tampa	32.1	29.7	26.4	42.2	40.1	37.8	17.8	20.0	21.3	4.3	6.2	8.1	3.5	4.1	6.5
Pittsburgh	29.6	30.3	28.3	37.8	37.9	36.4	19.9	19.5	20.2	7.0	7.5	8.3	5.7	4.8	6.9
Portland	32.5	30.9	27.2	40.7	41.7	39.8	17.8	18.0	20.4	5.0	5.4	6.9	4.0	4.1	5.7
Cincinnati	27.5	26.9	25.7	41.9	42.5	41.1	20.8	20.7	21.7	5.8	6.1	6.9	4.0	3.7	4.6
Sacramento	34.7	30.0	26.8	43.1	41.8	38.8	15.4	18.6	21.0	3.6	5.3	6.6	3.2	4.3	6.7
Kansas City	30.0	28.7	28.0	42.2	42.6	41.9	19.7	20.3	20.6	4.8	5.2	5.8	3.3	3.1	3.7
Milwaukee	34.6	33.0	30.7	43.8	44.1	42.8	15.4	16.1	18.0	3.8	3.9	4.8	2.4	2.8	3.8
Orlando	32.2	25.9	21.1	42.1	40.0	38.1	18.1	23.1	25.8	4.0	7.2	8.8	3.7	3.8	6.2
Indianapolis	29.4	28.5	27.0	43.7	43.1	40.8	19.1	19.8	21.6	4.6	5.0	6.1	3.2	3.7	4.4
San Antonio	29.8	27.8	23.9	44.9	42.2	43.2	18.3	20.5	22.2	3.5	5.4	5.7	3.5	4.2	5.0
Norfolk	29.1	27.4	26.0	43.0	42.8	42.9	18.9	20.1	20.3	4.8	6.1	5.9	4.2	3.7	4.9
Las Vegas	35.5	31.1	24.4	47.7	48.3	45.2	11.7	13.7	20.9	1.8	2.6	4.2	3.3	4.4	5.2
Columbus	30.3	28.4	26.6	45.6	45.2	44.1	17.5	18.6	19.6	3.8	4.6	5.5	2.9	3.2	4.2
Charlotte	32.3	28.4	23.8	43.2	41.7	38.7	17.2	20.2	23.0	4.0	6.3	8.5	3.2	3.3	6.1
New Orleans	24.0	24.9	24.5	38.0	39.5	38.1	22.3	21.7	21.1	7.9	7.2	8.5	7.8	6.7	7.9
Salt Lake City	30.6	26.0	29.2	46.0	44.9	43.6	16.9	20.5	18.0	3.4	4.7	4.8	3.1	3.9	4.4
Greensboro	36.1	34.3	30.0	44.9	45.2	44.3	13.6	14.7	16.9	3.0	3.6	4.6	2.3	2.2	4.3
Austin	34.9	29.2	24.5	42.9		38.6	15.4	19.2	22.5	3.8	5.7	8.3	3.0	3.9	6.1
Nashville	27.6	26.6	23.9	41.6	41.5	38.6	19.8	20.7	23.0	6.1	6.9	8.8	4.8	4.3	5.7
Providence	39.5	36.9	32.2	41.6	40.7	39.9	13.0	14.3	16.3	3.1	4.2	5.4	2.8	3.8	6.2
Raleigh	33.3	30.7	24.7	44.5	44.5	40.4	15.6	17.6	22.3	3.7	4.7	7.4	2.9	2.5	5.2
Hartford	34.4	31.6	29.9	42.2	41.0	41.0	16.6	19.1	19.3	3.9	5.5	5.3	2.9	2.8	4.5
Buffalo	32.9	34.1	32.5	43.6	43.4	43.8	17.8	16.6	16.8	3.6	3.5	3.7	2.1	2.4	3.2
Memphis	26.2	25.5	22.9	43.3	45.4	43.4	22.0	21.3	23.2	4.5	4.5	6.1	3.9	3.3	4.4
West Palm Beach	34.5	30.4	25.2	41.9	42.2	39.4	16.5	19.3	22.1	3.4	4.7	6.8	3.7	3.4	6.5
Jacksonville	27.7	25.1	22.2	43.3	41.9	38.8	19.9	22.8	24.4	5.1	6.6	8.7	4.0	3.6	5.9
Rochester	35.1	34.0	33.6	42.2	43.1	42.7	15.8	15.6	15.6	4.0	4.5	4.6	2.8	2.8	3.6
Grand Rapids	40.1	38.4	34.9	44.4	43.6	42.9	11.3	12.2	14.8	2.4	3.3	4.1	1.9	2.5	3.3
Oklahoma City	31.8	31.1	30.2	42.3	44.3	43.4	18.9	17.5	18.3	4.0	4.3	4.4	3.0	2.8	3.7
Louisville	25.5	26.8	26.3	43.4	47.0	46.0	22.0	19.1	19.8	5.3	3.9	4.2	3.7	3.2	3.6
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49 MSAs	27.9	26.2	23.5	37.7	37.4	35.9	20.0	21.1	22.2	7.1	7.9	9.0	7.4	7.4	9.5
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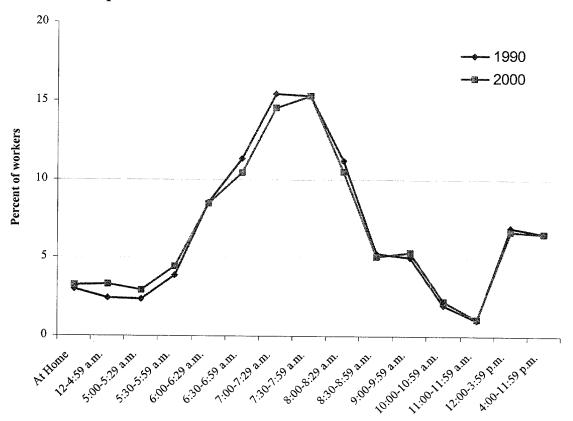
Departure Time

The question on departure time for the commute trip was added in 1990, so trend analysis is limited. For both the U.S. as a whole and the 49 metro areas, the highest percent of workers leave between 7:00 and 7:59 a.m. (see Exhibit 3.7). With the apparent shift to longer commutes in the large MSAs we expected to see evidence of peak spreading. There is a slight shift to earlier departures from 1990 to 2000 for the nation as a whole, although the 49 largest MSAs had slightly later departure times than the rest of the nation (see Exhibit 3.8).

Exhibit 3.7 Departure Times to work - US and Large MSA Comparison - Percent of Workers: 2000

Departure time	49 MSAs	Nation
5:00 a.m. to 6:59 a.m.	25.6	26.2
7:00 a.m. to 7:59 a.m.	29.2	29.9
8:00 a.m. to 8:59 a.m.	17.2	15.5
9:00 a.m. to 9:59 a.m.	6.0	5.3
All other departures	18.9	19.8
Worked at home	3.2	3.3

Exhibit 3.8 Departure Time to Work: 1990 - 2000



The percentage of workers beginning their commute in each time period is shown in Exhibits 3.9 and 3.10 for the 49 major MSAs. The percent of workers leaving between 7:00 and 8:29 a.m. hovers around forty percent in the major metro areas—very little shift from the distribution in 1990. Some metro areas show later departure times than others. New York, Miami and West Palm Beach stand out as those with departure times later than the rest.

Not all workers are employed weekdays nine to five, and areas with different dominant employment sectors will see different distributions in departure times. For instance areas with high manufacturing employment and greater numbers of 24-hour shift coverage have different distribution than areas with greater focus on the service industry. Las Vegas exemplifies an extreme position, since the gambling/entertainment industry functions at all hours, leaving Las Vegas with the highest proportion (over 30 percent) of workers departing at times other than 5-9.59 a.m. Individual MSAs with shifting employment basis can assess the impact on transit planning and travel demand forecasting that changes in dominant employment sector may have.

Exhibit 3.9 Departure Time to Work - Percent of Workers: 1990

MSA	Total, Did Not Work at Home	5:00 AM - 6:59 AM	7:00 AM - 8:29 AM	8:30 AM - 9:59 AM	All Other Departures
New York	9,051,858	20.3	47.5	15.9	16.3
Los Angeles	6,622,941	30.0	39.5	11.5	19.0
Chicago	3,838,745	29.3	40.6	10.1	19.9
Washington, DC	3,514,395	28.3	43.8	12.5	15.4
San Francisco	3,089,268	24.9	43.9	13.1	18.1
Philadelphia	2,722,107	22.8	46.3	12.8	18.2
Boston	2,691,278	23.8	45.8	12.6	17.8
Detroit	2,253,594	25.7	39.5	11.7	23.2
Dallas	1,991,675	25.4	47.3	9.9	17.4
Houston	1,732,043	30.8	43.5	9.2	16.5
Atlanta	1,508,734	24.8	46.9	11.6	16.7
Miami	1,446,936	22.0	46.3	14.6	17.2
Seattle	1,446,175	32.0	37.8	10.3	19.9
Phoenix	1,005,946	31.6	38.3	8.6	21.5
Minneapolis	1,298,295	26.9	43.6	9.6	20.0
Cleveland	1,256,550	24.4	42.8	11.5	21.3
San Diego	1,169,161	32.9	38.7	10.5	17.8
St. Louis	1,137,946	29.1	41.7	9.3	19.9
Denver	988,832	28.9	43.4	9.6	18.2
Tampa	893,942	24.6	45.5	11.6	18.4
Pittsburgh	1,002,081	25.3	42.0	11.8	20.9
Portland	828,156	26.8	43.7	9.7	19.8
Cincinnati	825,666	25.5	42.8	10.5	21.1
Sacramento	664,607	27.9	43.0	10.3	18.8
Kansas City	756,935	26.3	46.5	8.8	18.4
Milwaukee	755,421	29.5	39.6	8.5	22.5
Orlando	602,100	26.5	44.4	10.4	18.7
Indianapolis	666,683	27.5	43.9	8.6	19.9
San Antonio	564,921	27.2	44.7	9.3	18.8
Norfolk	682,931	33.9	37.8	10.2	18.2
Las Vegas	409,557	26.2	33.6	10.2	30.1
Columbus	647,894	24.8	44.3	10.1	20.6
Charlotte	593,466	27.3	44.8	8.9	19.0
New Orleans	522,522	28.9	42.2	11.0	18.0
Salt Lake City	464,492	25.6	42.5	10.6	21.3
Greensboro	539,047	27.9	45.1	8.6	18.4
Austin	418,607	21.3	48.7	11.2	18.8
Nashville	482,975	31.3	41.8	8.2	18.8
Providence	531,460	25.5	44.3	11.2	19.1
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Raleigh Hartford	450,723	21.2		10.7	16.2
	585,942	26.7	45.6	10.7	17.0
Buffalo	521,314	21.3	43.1	13.1	22.5
Memphis	451,644	26.2	44.5	8.6	20.6
West Palm Beach	370,090	20.6	48.5	15.0	15.8
Jacksonville	432,361	28.4	43.4	10.3	17.9
Rochester	497,134	26.4	43.0	11.1	19.5
Grand Rapids	429,764	27.9	39.1	9.5	23.5
Oklahoma City	438,861	22.5	47.2	10.5	19.9
Louisville	434,608	24.7	42.4	10.8	22.2

Exhibit 3.10 Departure Time to Work – Percent of Workers: 2000

Austin 626,278 24.4 45.5 12.6 17.6 Nashville 601,234 31.7 40.3 8.7 19.3 Providence 543,921 25.8 41.9 11.4 20.9 Raleigh 596,100 23.0 48.5 12.3 16.1 Hartford 558,684 25.1 45.8 11.1 18.0 Buffalo 509,457 22.6 42.9 12.2 22.2 Memphis 499,982 27.4 42.6 8.9 21.1 West Palm Beach 456,118 21.3 47.2 14.8 16.7 Jacksonville 515,651 29.1 41.5 10.4 19.0 Rochester 501,901 25.9 42.6 11.1 20.4 Grand Rapids 515,495 26.3 39.0 9.2 25.4 Oklahoma City 494,818 23.4 45.5 10.5 20.6						
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Rochester 501,901 25.9 42.6 11.1 20.4 Grand Rapids 515,495 26.3 39.0 9.2 25.4 Oklahoma City 494,818 23.4 45.5 10.5 20.6	West Palm Beach	456,118	21.3	47.2	14.8	16.7
Grand Rapids 515,495 26.3 39.0 9.2 25.4 Oklahoma City 494,818 23.4 45.5 10.5 20.6	Jacksonville	515,651	29.1	41.5	10.4	19.0
Oklahoma City 494,818 23.4 45.5 10.5 20.6	Rochester	501,901	25.9	42.6	11.1	20.4
	Grand Rapids	515,495	26.3	39.0	9.2	25.4
Louisville 481,234 24.1 41.7 11.3 22.9	Oklahoma City	494,818	23.4	45.5	10.5	20.6
	Louisville	481,234	24.1	41.7	11.3	22.9

Chapter 4

MEANS OF TRAVEL TO WORK

The private vehicle, especially driven alone to work, is the mode of choice for most Americans living in the large metropolitan areas. In every major metro area, workers who drove alone to work increased in numbers and share in the last 40 years. However, transit as a commute mode is critical in the large metro areas. Nearly 7.5 percent of commuters in large metro areas use transit, compared to less than one percent in the rest of the country. Workers are less likely to drive alone to work in the large MSAs (73 percent compared to 79 percent in the rest of the country), but the percent of workers carpooling is about the same (12 percent). Exhibits 4.10 and 4.11 show percent of workers using different modes of transportation for 1990 and 2000.

Ninety-two percent of the nation's commuters who use public transit live in the large metropolitan areas. In most areas, the travel time by public transportation is almost twice the travel time by driving alone. For 2000, the average travel time by workers who drove alone was 24.1 minutes, while transit travel time was 47.7 minutes. Carpool travel times are close to drove alone at 28.5 minutes, on average. Exhibit 4.2 shows the mean travel time by mode for the 6 large MSAs with the highest number of transit commuters.

Exhibit 4.1 Mode to work - United States, Large MSAs, and Rest of the Country: 2000

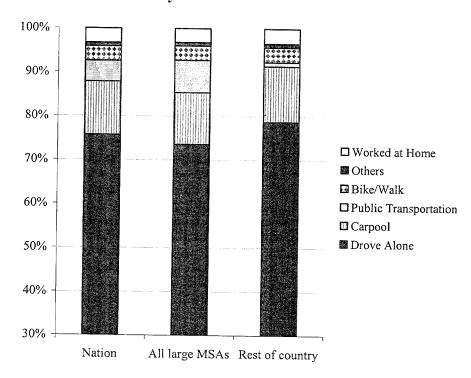


Exhibit 4.2 Mode of Travel by Average Travel Time to Work – 6 MSAs with the Largest Percent of Transit Commuters: 2000

		Travel time to work (minutes)				Mode to work (Percent of Workers)			
Mode	Workers who did not work at home		Drove alone	•	l I	Drove alone	l	Transit (including taxicab)	
New York	9,042,068	34.0	28.0	33.1	52.2	56.3	9.4	24.9	
Chicago	4,096,437	31.0	28.6	31.6	49.7	70.5	11.0	11.5	
San Francisco	3,292,677	29.3	27.3	31.8	46.0	68.1	12.9	9.5	
Washington, DC	3,704,993	31.7	29.7	34.8	47.1	70.4	12.8	9.4	
Boston	2,807,063	27.7	26.4	28.3	43.9	73.9	8.8	9.0	
Philadelphia	2,735,588	27.9	26.2	28.2	47.4	73.3	10.3	8.7	

Driving Alone and Carpooling

Continuing a trend seen in previous decades, drove alone gained as the mode of choice for commuters in most of the 49 large metro areas (See Exhibit 4.12) with five exceptions: San Francisco, Seattle, Atlanta, Phoenix, and Portland, OR. Detroit has the highest drove alone share, 84.2 percent, and New York the lowest, with 56.3 percent (see Exhibit 4.3). Some of the trend to single occupant vehicles can be explained by the greater vehicle availability and by the smaller household size (many carpools include people from the same household).

Carpools, in most areas, lost market share to drove alone. In 1990, Las Vegas, Washington, D.C. and Los Angeles were the only metro areas with carpooling rates exceeding 15 percent. In 2000, the carpooling rate in Washington, D.C. declined significantly, from 15.5 percent to 12.8 percent, while drove alone increased from 66.1 percent to 70.4 percent. Over 15 percent of the workers in Los Angeles and Las Vegas used carpool to work, about the same as 1990. Atlanta, Seattle, and Phoenix were the only large MSAs to see significant increases in carpool use between 1990 and 2000. Phoenix had the highest percent of commuters using carpool in 2000 (15.3 percent) whereas Cleveland had the lowest multi- occupant commutes with 8.7 percent of workers using carpools.

Exhibit 4.3 Areas with Highest and Lowest Percent of Workers by Mode: 2000

Mode	Metropolitan Area	Highest
Drove Alone	Detroit	84.2
Carpool	Phoenix	15.3
Public Transit	New York	24.9
Walk	New York	5.6
Work at home	Denver	4.7
Other	Phoenix	2.3

Metropolitan Area	Lowest
New York	56.3
Cleveland	8.7
Oklahoma City	0.6
Charlotte	1.2
Providence	2.1
Buffalo	0.6

Transit

New York/Northern New Jersey metro area had the largest transit share—nearly a quarter of the country's transit trips are taken in New York (24.9 percent of workers). Other metros with large transit shares include Chicago (11.5 percent) San Francisco (9.5 percent), Washington, D.C. (9.4 percent), and Boston (9.0 percent). All of the metro areas whose worker population exceeded 2.5 million, with the exception of Los Angeles, had a transit mode share of 8 percent or above (See Exhibit 4.13). Of the remaining large metros, only Seattle, Portland, Pittsburgh and New Orleans exceeded 5 percent transit mode share for the journey-to-work. Oklahoma City had the lowest share of workers using transit with 0.6 percent.

In 28 of the 49 largest metro areas the proportion of transit riders declined. Transit had its sharpest decline in Atlanta (4.5% to 3.7%), Chicago (13.4% to 11.5%), and Philadelphia (10.2% to 8.7%). On the other hand, a few areas saw an increase in the proportion of workers who take transit, such as Portland (4.8 percent to 5.7 percent), Seattle (6.1 percent to 6.8 percent) and Las Vegas (2.0 percent to 4.1 percent).

In terms of number of workers using transit, Exhibit 4.4 displays five of the metro areas that experienced the largest increase, and Exhibit 4.5 five metro areas that experienced the greatest decrease in the numbers of workers using transit.

Exhibit 4.4 Areas with Greatest Increase in Number of Workers Using Transit: 1990-2000

MSA	1990	2000	Change
Seattle	91,391	119,919	28,528
San Francisco	297,363	325,212	27,849
Boston	237,483	261,862	24,379
New York	2,297,445	2,320,155	22,710
Portland	41,023	63,126	22,103

Exhibit 4.5 Areas with Greatest Decline in Number of Workers Using Transit: 1990-2000

MSA	1990	2000	Change
Chicago	526,085	484,835	-41,250
Philadelphia	283,312	245,909	-37,403
Washington, DC	396,466	361,877	-34,589
Pittsburgh	76,199	65,345	-10,854
Cleveland	56,941	47,111	-9,830

The likelihood of using transit as a commute mode continues to vary by income, auto ownership, and race/ethnicity. Exhibit 4.6 shows the percent transit use and zero-vehicle households in the 49 largest MSAs by race and ethnicity.

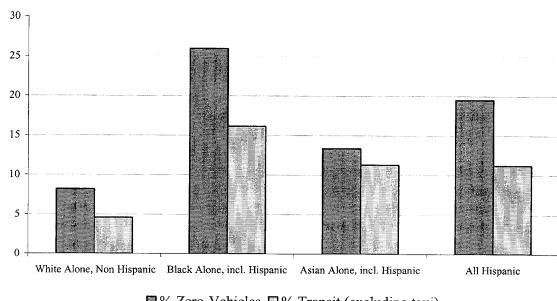


Exhibit 4.6 Transit Use and Vehicle Availability by Race/Ethnicity: 2000

■ % Zero-Vehicles ■ % Transit (excluding taxi)

Walk, Bike and Work at Home

In most large metro areas in 2000, the proportion of workers walking to work hovered between two and three percent. Between 1990 and 2000, every large MSA experienced a decline in the proportion of workers who walked to work. New York has the highest percentage of people who walk to work, 5.6 percent, whereas Charlotte, NC has the lowest proportion of workers who walk, only 1.2 percent. Seven areas had over 100,000 workers who usually walked to their place of employment (Exhibit 4.7).

Exhibit 4.7 Areas with 100,000 or more Walking Commuters: 2000

MSA	Walk	Percent
New York	517,290	5.6
Los Angeles	173,497	2.6
Chicago	131,896	3.1
Boston	119,294	4.1
Washington, DC	114,425	3.0
San Francisco	111,662	3.3
Philadelphia	109,264	3.9

Bicycling to work is still a rare occurrence anywhere in the United States, whether in large metro areas or not. Only in two metro areas, both in California, does bicycle commuting exceed one percent: Sacramento and San Francisco. However, eight areas had more than 10,000 workers who usually biked to work (Exhibit 4.8).

Exhibit 4.8 Areas with 10,000 or more Bicycle Commuters: 2000

MSA	Bicycle	Percent
Los Angeles	42,887	0.6
San Francisco	38,588	1.1
New York	27,827	0.3
Phoenix	13,855	0.9
Chicago	13,077	0.3
Boston	11,141	0.4
Sacramento	10,909	1.4
Seattle	10,712	0.6

The percent of workers who usually worked at home increased in every large MSA except three: San Diego, Norfolk, and Jacksonville. Only in six MSAs did work at home exceed 4 percent: San Francisco, Seattle, Denver, Portland, Sacramento and West Palm Beach. Exhibit 4.9 shows the MSAs with four percent or more of workers working at home.

Exhibit 4.9 Areas with Four Percent or More Workers Working at Home: 2000

MSA	Total Workers	Worked at	Downant
	Workers	Home	Percent
Portland	1,105,133	50,839	4.6
San Diego	1,299,503	57,182	4.4
Seattle	1,776,224	74,605	4.2
West Palm Beach	475,572	19,454	4.1
San Francisco	3,432,157	139,480	4.1
Sacramento	799,989	32,279	4.0

Exhibit 4.10 Means of Transportation to Work: 1990

EXHIBIT 4.10	vicans oi .	LIAUSP	ULLALI	OH LU	WUIK.	1770					
				% Bus/	% Sub-			%			%
	Total	% Drove	% Car	Street	way	%	%	Motor-	%	%	Work at
MSA	Workers	Alone	pool	car	/Rail	Walk	Taxi	cycle	Bike	Other	Home
New York	9,271,089	55.4	10.4	7.2	16.7	6.2	0.7	0.1	0.2	0.7	2.4
Los Angeles	6,809,043	72.3	15.5	4.5	0.0	2.9	0.0	0.5	0.7	0.8	2.7
Chicago	3,922,295	67.6	12.0	6.7	6.4	4.1	0.3	0.1	0.2	0.6	2.1
Washington, DC	3,611,094	66.1	15.5	6.2	4.5	3.9	0.3	0.1	0.2	0.6	2.7
San Francisco	3,200,833	68.3	13.0	6.3	2.8	3.6	0.1	0.5	1.1	0.8	3.5
Philadelphia	2,784,581	69.1	12.1	6.1	4.0	5.3	0.1	0.1	0.3	0.6	2.2
Boston	2,760,435	71.9	10.8	4.1	4.3	5.2	0.2	0.1	0.4	0.6	2.5
Detroit	2,294,108	82.8	10.1	2.1	0.0	2.4	0.1	0.0	0.2	0.4	1.8
Dallas	2,038,398	78.6	13.9	2.2	0.0	1.9	0.1	0.2	0.1	0.7	2.3
Houston	1,768,567	76.1	14.6	3.6	0.0	2.3	0.1	0.2	0.3	0.8	2.1
Atlanta	1,542,948	77.9	13.0	3.4	1.0	1.5	0.1	0.1	0.1	0.7	2.2
Miami	1,476,085	75.3	14.5	3.6	0.6	2.3	0.1	0.2	0.5	0.9	2.0
Seattle	1,499,734	73.1	12.1	5.6	0.0	3.6	0.1	0.4	0.5	1.0	3.6
Phoenix	1,036,017	74.9	14.5	1.9	0.0	2.7	0.1	0.7	1.4	0.8	2.9
Minneapolis	1,344,797	75.9	11.3	5.1	0.0	3.3	0.1	0.1	0.4	0.4	3.5
Cleveland	1,282,092	79.5	10.3	4.1	0.3	3.0	0.1	0.1	0.1	0.5	2.0
San Diego	1,230,446	70.9	13.8	3.2	0.0	4.5	0.1	0.7	0.9	1.0	5.0
St. Louis	1,166,023	79.6	12.2	2.8	0.0	2.1	0.1	0.1	0.1	0.5	2.4
Denver	1,026,847	75.0	12.5	3.9	0.0	3.4	0.1	0.2	0.7	0.6	3.7
Tampa	914,711	78.8	13.3	1.3	0.0	2.3	0.1	0.4	0.7	0.8	2.3
Pittsburgh	1,023,825	72.0	12.7	7.2	0.2	5.0	0.1	0.1	0.1	0.5	2.1
Portland	861,141	73.8	12.7	4.6	0.1	3.4	0.1	0.3	0.6	0.6	3.8
Cincinnati	844,125	79.0	11.7	3.4	0.0	3.0	0.1	0.1	0.1	0.5	2.2
Sacramento	685,945	75.2	13.7	2.1	0.2	2.7	0.0	0.5	1.8	0.6	3.1
Kansas City	778,624	79.8	12.6	2.0	0.0	1.9	0.1	0.1	0.1	0.6	2.8
Milwaukee	772,752	77.2	10.9	4.8	0.0	4.0	0.1	0.1	0.3	0.4	2.2
Orlando	614,382	78.0	13.4	1.3	0.0	3.4	0.1	0.4	0.6	0.7	2.0
Indianapolis	683,007	79.7	12.9	1.8	0.0	2.3	0.1	0.1	0.1	0.5	2.4
San Antonio	578,529	74.5	14.9	3.6	0.0	3.6	0.0	0.2	0.2	0.8	2.4
Norfolk	720,890	72.7	14.3	2.0	0.0	3.6	0.1	0.3	0.5	1.2	5.3
Las Vegas	416,025	74.3	15.8	1.8	0.0	3.7	0.2	0.8	0.8	1.2	1.6
Columbus	663,006	79.5	11.4	2.7	0.0	3.3	0.1	0.1	0.2	0.5	2.3
Charlotte	604,856	78.8	14.5	1.7	0.0	2.1	0.1	0.1	0.1	0.7	1.9
New Orleans	531,697	70.9	15.4	6.7	0.0	3.1	0.3	0.2	0.5	1.2	1.7
Salt Lake City	479,338	76.3	14.0	2.9	0.0	2.3	0.0	0.3	0.5	0.5	3.1
Greensboro	550,325		14.5	0.9	0.0	2.3	0.1	0.1		0.6	
Austin	431,345	74.9	14.5	3.0	0.0	2.9	0.1	0.4	0.5	0.6	3.0
Nashville	495,717	79.1	13.8	1.6	0.0	1.9	0.1	0.1	0.1	0.6	2.6
Providence	540,872	78.6	12.3	2.0	0.5	3.9	0.1	0.1	0.2	0.6	1.7
Raleigh	461,516		14.2	1.6	0.0	3.0	0.1	0.2	0.4	0.7	2.3
Hartford	597,831	78.9	11.4	3.4	0.0	3.4	0.0	0.1	0.2	0.5	2.0
Buffalo	531,122	77.1	11.2	4.1	0.4	4.4	0.2	0.1	0.2	0.5	1.8
Memphis	458,534	78.1	13.7	2.7	0.0	2.9	0.1	0.1	0.1	0.8	1.5
West Palm Beach	380,260		12.8	0.9	0.2	2.0	0.2	0.4	0.6	0.9	2.7
Jacksonville	443,882	76.2	14.3	1.9	0.0	2.6	0.2	0.3	0.7	1.2	2.6
Rochester	509,733	77.7	11.7	3.0	0.0	4.4	0.1	0.0	0.2	0.4	2.5
Grand Rapids	442,228	82.6	10.2	0.9	0.0	2.6	0.1	0.1	0.2	0.5	2.8
Oklahoma City	450,122	80.3	13.3	0.5	0.0	2.1	0.1	0.2	0.2	0.7	2.5
Louisville	442,933	79.4	12.8	3.2	0.0	2.0	0.1	0.1	0.1	0.5	1.9
	1 774,733	1,2,4	12.0	ے.د	0.0	2.0	0.1	0.1	U.1	0.5	1.9

Exhibit 4.11 Means of Transportation to Work: 2000

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	787 - 4 - 11	0/ D	%	0/ 7	%	۰,	0/	0/30/	07		0/ 37/ 1
MOA	Total	% Drove	Car-	% Bus/	Subway	%	% 	% Motor	%	%	% Work
MSA	Workers	Alone	pool	Streetcar	/Rail	Walk	Taxi	cycle	Bike	Other	
New York	9,319,218		9.4	6.8	17.1	5.6	0.8	0.0	0.3	0.7	3.0
Los Angeles	6,767,619		15.2	4.3	0.3	2.6	0.1	0.2	0.6	0.8	3.6
Chicago	4,218,108		11.0	4.6	6.6	3.1	0.3	0.0	0.3	0.7	2.9
Washington, DC	3,839,052	70.4	12.8	4.1	5.0	3.0	0.3	0.1	0.3	0.6	3.5
San Francisco	3,432,157	68.1	12.9	5.7	3.5	3.3	0.1	0.4	1.1	0.9	4.1
Philadelphia	2,815,405	73.3	10.3	5.3	3.3	3.9	0.1	0.1	0.3	0.6	2.8
Boston	2,898,680		8.8	3.2	5.5	4.1	0.2	0.1	0.4	0.6	3.2
Detroit	2,482,457	84.2	9.3	1.7	0.0	1.8	0.1	0.0	0.2	0.4	2.3
Dallas	2,527,648		14.0	1.6	0.1	1.5	0.1	0.1	0.1	0.8	3.0
Houston	2,081,607	77.0	14.2	3.1	0.0	1.6	0.1	0.1	0.3	0.9	2.5
Atlanta	2,060,632		13.6	2.4	1.1	1.3	0.2	0.1	0.1	0.8	3.5
Miami	1,642,866		13.4	3.2	0.5	1.8	0.1	0.1	0.5	0.9	2.8
Seattle	1,776,224	<u> </u>	12.8	6.2	0.0	3.2	0.1	0.2	0.6	1.1	4.2
Phoenix	1,466,434		15.3	1.9	0.0	2.1	0.1	0.4	0.9	0.9	3.7
Minneapolis	1,595,550	\$	10.0	4.4	0.0	2.4	0.1	0.1	0.4	0.4	3.8
Cleveland	1,375,774	82.3	8.7	3.1	0.3	2.1	0.1	0.0	0.2	0.5	2.7
San Diego	1,299,503	73.9	13.0	3.1	0.2	3.4	0.1	0.3	0.6	1.0	4.4
St. Louis	1,238,964		9.9	2.1	0.2	1.6	0.1	0.1	0.1	0.5	2.8
Denver	1,346,025	75.6	11.5	4.2	0.1	2.4	0.1	0.1	0.7	0.6	4.7
Tampa	1,063,957	79.7	12.4	1.2	0.0	1.7	0.1	0.2	0.6	0.8	3.1
Pittsburgh	1,057,354	77.4	9.7	6.0	0.1	3.6	0.1	0.0	0.1	0.5	2.4
Portland	1,105,133	73.1	12.1	5.1	0.5	3.0	0.0	0.1	0.8	0.6	4.6
Cincinnati	951,709		10.0	2.8	0.0	2.3	0.1	0.1	0.1	0.5	2.7
Sacramento	799,989		13.5	2.4	0.3	2.2	0.1	0.2	1.4	0.7	4.0
Kansas City	881,258		10.4	1.2	0.0	1.4	0.1	0.1	0.1	0.6	3.4
Milwaukee	816,880		9.9	3.9	0.0	2.8	0.1	0.1	0.2	0.4	2.5
Orlando	786,243	80.6	12.1	1.6	0.0	1.3	0.1	0.2	0.4	0.8	2.9
Indianapolis	795,755	82.8	10.5	1.2	0.0	1.7	0.1	0.1	0.2	0.6	2.9
San Antonio	698,685	76.2	14.7	2.8	0.0	2.4	0.1	0.1	0.1	1.0	2.6
Norfolk	760,401	78.9	12.1	1.7	0.0	2.7	0.1	0.1	0.3	1.4	2.7
Las Vegas	702,535		15.0	3.9	0.0	2.4	0.1	0.4	0.5	0.9	2.3
Columbus	777,922	82.0	9.6	2.2	0.0	2.4	0.1	0.0	0.2	0.4	3.0
Charlotte	751,629	80.9	12.9	1.3	0.0	1.2	0.1	0.1	0.1	0.6	2.8
New Orleans	570,423	73.0	14.6	5.2	0.0	2.7	0.3	0.1	0.6	1.0	2.4
Salt Lake City	642,688		13.1	2.7	0.3	1.8	0.0	0.1	0.4	0.6	3.8
Greensboro	618,921		13.1	0.7	0.1	1.6	0.1	0.1	0.1	0.7	2.4
Austin	649,645	76.5	13.7	2.5	0.0	2.1	0.1	0.2	0.6	0.8	3.6
Nashville	621,221	80.7	12.8		0.0	1.5	0.1	0.1	0.1	0.7	3.2
Providence	555,540	80.7	10.6	1.7	0.7	3.3	0.1	0.0	0.2	0.6	2.1
Raleigh	617,475	78.5	12.9	1.5	0.0	2.3	0.2	0.1	0.4	0.7	3.5
Hartford	573,114	82.5	9.0	2.7	0.1	2.5	0.0	0.0	0.2	0.5	2.5
Buffalo	520,350	81.7	9.4	3.1	0.3	2.7	0.2	0.0	0.2	0.3	2.1
Memphis	511,111	80.9	13.0	1.6	0.0	1.3	0.1	0.1	0.1	0.7	2.2
West Palm Beach	475,572	79.6	11.9	1.1	0.2	1.4	0.2	0.1	0.5	0.9	4.1
Jacksonville	527,718	80.3	12.6	1.3	0.0	1.7	0.2	0.2	0.5	1.0	2.3
Rochester	516,814	81.8	9.1	1.9	0.0	3.5	0.1	0.0	0.2	0.5	2.9
Grand Rapids	531,924	84.0	9.2	0.7	0.0	2.1	0.1	0.0	0.2	0.6	3.1
Oklahoma City	509,262	81.8	12.0	0.5	0.0	1.7	0.1	0.1	0.2	0.8	
Louisville	492,821	82.0	10.9	2.2	0.0	1.7	0.0	0.0	0.2	0.6	

Exhibit 4.12 Commutes by Private Vehicle: 1980-2000

[T T								
MSA	1980 (Percent o	of all wor	kers)	1990 (Percent of all workers)			2000 (Percent of all workers)		
		Drove			Drove	1		Drove	l
Area	Total Workers	Alone	Carpool	Total Workers	Alone	Carpool	Total Workers	Alone	Carpool
New York	8,133,936	48.7	15.2	9,224,432	55.7	10.5	9,319,218	56.3	9.4
Los Angeles	5,184,393	70.2	17.1	6,725,350	73.2	15.6	6,767,619	72.4	15.2
Chicago	3,575,803	59.1	17.0	3,911,520	67.8	12.0	4,218,108	70.5	11.0
Washington, DC	2,760,794	56.5	23.0	3,597,893	66.3	15.5	3,839,052	70.4	12.8
San Francisco	2,563,329	62.9	16.4	3,144,537	69.5	13.2	3,432,157	68.1	12.9
Philadelphia	2,347,072	60.2	18.2	2,772,129	69.4	12.2	2,815,405	73.3	10.3
Boston	2,471,832	60.6	19.7	2,746,194	72.3	10.8	2,898,680	73.9	8.8
Detroit	2,085,116	74.7	16.9	2,289,079	83.0	10.2	2,482,457	84.2	9.3
Dallas	1,494,568	71.1	20.7	2,031,707	78.9	14.0	2,527,648	78.8	14.0
Houston	1,512,080	69.4	22.5	1,759,955	76.4	14.6	2,081,607	77.0	14.2
Atlanta	1,033,088	68.5	20.3	1,539,743	78.1	13.0	2,060,632	77.0	13.6
Miami	1,150,471	69.7	19.1	1,464,824	75.9	14.6	1,642,866	76.6	13.4
Seattle	1,113,261	64.0	18.9	1,480,537	74.0	12.3	1,776,224	71.6	12.8
Phoenix	688,912	69.8	19.3	1,014,066	76.6	14.8	1,466,434	74.6	15.3
Minneapolis	1,081,772	62.9	20.1	1,337,986	76.2	11.4	1,595,550	78.3	10.0
Cleveland	1,242,438	70.5	16.2	1,279,575	79.7	10.4	1,375,774	82.3	8.7
San Diego	854,600	63.8	17.4	1,211,239	72.0	14.0	1,299,503	73.9	13.0
St. Louis	1,026,288	67.2	21.4	1,163,764	79.8	12.2	1,238,964	82.6	9.9
Denver	859,989	65.3	20.2	1,017,398	75.7	12.6	1,346,025	75.6	11.5
Tampa	619,119	71.9	18.5	904,463	79.7	13.4	1,063,957	79.7	12.4
Pittsburgh	1,021,047	61.4	19.7	1,022,095	72.1	12.7	1,057,354	77.4	9.7
Portland	704,392	65.4	18.4	852,839	74.5	12.9	1,105,133	73.1	12.1
Cincinnati	716,583	69.4	18.7	842,701	79.1	11.7	951,709	81.4	10.0
Sacramento	472,640	68.9	17.8	670,322	77.0		799,989	75.3	13.5
Kansas City	666,940	68.9	21.6	777,117	80.0	12.6	881,258	82.8	10.4
Milwaukee	719,555	65.5	19.1	769,694	77.5	11.0	816,880	80.1	9.9
Orlando	360,312	69.5	20.0	607,993	78.8	13.6	786,243	80.6	12.1
Indianapolis	575,905	70.6	20.9	681,418	79.9	12.9	795,755	82.8	10.5
San Antonio	456,656	66.8	20.0	576,304	74.8	14.9	698,685	76.2	14.7
Norfolk	547,803	60.3	23.2	715,227	73.3	14.4	760,401	78.9	12.1
Las Vegas	251,501	71.1	18.9	409,578	75.4	16.1	702,535	74.5	15.0
Columbus	537,727	70.7	18.2	660,853	79.7	11.5	777,922	82.0	9.6
Charlotte	470,708	68.9	23.3	603,419	78.9	14.5	751,629	80.9	12.9
New Orleans	528,868	61.9	21.1	527,637	71.5	15.5	570,423	73.0	14.6
Salt Lake City	383,938	66.1	22.2	475,406	76.9	14.1	642,688	77.2	13.1
Greensboro	455,515	70.8		549,038			618,921	81.2	13.1
Austin	278,251	67.6	21.1	427,290	75.6	14.7	649,645	76.5	13.7
Nashville	387,660	68.8	22.3	494,704	79.3	13.9	621,221	80.7	12.8
Providence	381,643	65.6	21.6	539,646	78.8	12.4	555,540	80.7	10.6
Raleigh	323,005	65.6	24.1	458,694	77.9		617,475	78.5	12.9
Hartford	510,174	67.1	20.6	596,321	79.1	11.5	573,114	82.5	9.0
Buffalo	500,364	66.6	18.6	529,710	77.3	11.2	520,350	81.7	9.4
Memphis	384,793	69.2	19.9	457,651	78.3	13.7	511,111	80.9	13.0
West Palm Beach	233,303	70.7	20.0	376,627	80.1	12.9	475,572	79.6	11.9
Jacksonville	311,207	66.2	21.9	439,617	77.0	14.5	527,718	80.3	12.6
Rochester	453,387	64.9	21.1	508,363	77.9	11.8	516,814	81.8	9.1
Grand Rapids	357,673	73.1	18.2	441,079	82.8	10.2	531,924	84.0	9.2
Oklahoma City	397,394	72.6	20.3	448,060	80.7	13.4	509,262	81.8	12.0
Louisville	398,355	69.0	21.5	442,233	79.6	12.8	492,821	82.0	10.9

Exhibit 4.13 Transit and Walk Commutes: 1980-2000

MSA	1980 (Percent	1980 (Percent of all workers) 1990 (Percent of all workers)					2000 (Percent	of all wo	rkers)
Area	Total Workers	Transit	Walk	Total Workers	Transit	Walk	Total Workers	Transit	Walk
New York	8,133,936	26.2	7.4		24.7	6.2		24.9	
Los Angeles	5,184,393	5.1	3.5	6,725,350	4.6	3.0		4.7	
Chicago	3,575,803	16.2	5.7	3,911,520	13.4	4.1	4,218,108	11.5	3.1
Washington, DC	2,760,794	12.5	5.1	3,597,893	11.0	3.9		9.4	3.0
San Francisco	2,563,329	11.2	4.4	3,144,537	9.3	3.7		9.5	3.3
Philadelphia	2,347,072	12.4	6.5	2,772,129	10.2	5.3	2,815,405	8.7	3.9
Boston	2,471,832	9.4	7.7	2,746,194	8.6	5.2		9.0	
Detroit	2,085,116	3.4	3.3	2,289,079	2.3	2.4	2,482,457	1.8	
Dallas	1,494,568	3.4	2.2	2,031,707	2.3	1.9	2,527,648	1.8	
Houston	1,512,080	2.9	2.7	1,759,955	3.8	2.3	2,081,607	3.3	1.6
Atlanta	1,033,088	7.0	2.0	1,539,743	4.5	1.5	2,060,632	3.7	1.3
Miami	1,150,471	4.9	3.2	1,464,824	4.4	2.3	1,642,866	3.9	1.8
Seattle	1,113,261	7.5	4.9	1,480,537	5.8	3.7	1,776,224	6.8	3.2
Phoenix	688,912	1.9	3.4	1,014,066	2.1	2.7	1,770,224	2.0	2.1
Minneapolis	1,081,772	8.4	5.1	1,337,986	5.2	3.3	1,595,550		2.1
Cleveland	1,242,438	7.6	3.7	1,279,575	4.4	3.0	1,375,774	4.5 3.4	2.4
San Diego	854,600	3.3		1,211,239	3.3	4.6	1,373,774	3.4	3.4
St. Louis	1,026,288	5.6	3.3	1,163,764	2.9	2.2	1,238,964	2.4	1.6
Denver Denver	859,989	5.8	4.7	1,017,398	4.0	3.4	1,238,904		
Tampa	619,119	1.7	3.4	904,463	1.5	2.3		4.3	2.4
Pittsburgh	1,021,047	10.4	6.6	1,022,095	7.5	5.1	1,063,957	1.4	1.7
Portland	704,392	7.2	4.5	852,839	4.8		1,057,354	6.2	3.6
Cincinnati	716,583	5.6	4.3		3.5	3.4	1,105,133	5.7	3.0
Sacramento	472,640	3.4	3.6	842,701		3.0	951,709	2.9	2.3
Kansas City		3.4	2.8	670,322	2.4	2.7	799,989	2.7	2.2
Milwaukee	666,940			777,117	2.1	1.9	881,258	1.3	1.4
Orlando	719,555	7.1	5.7	769,694	4.9	4.0	816,880	4.0	2.8
Indianapolis	360,312	1.6	4.7	607,993	1.4	3.4	786,243	1.7	1.3
	575,905	3.0	3.1	681,418	1.9	2.3	795,755	1.3	1.7
San Antonio	456,656	4.5	5.4	576,304	3.6	3.6	698,685	2.9	2.4
Norfolk	547,803	4.5	6.6	715,227	2.2	3.7	760,401	1.9	2.7
Las Vegas	251,501	2.0	3.9	409,578	2.1	3.7	702,535	4.1	2.4
Columbus	537,727	4.2	4.3	660,853	2.8	3.3	777,922	2.3	2.4
Charlotte	470,708	2.6	3.1	603,419	1.8	2.1	751,629	1.4	1.2
New Orleans	528,868	10.1	3.9	527,637	7.0	3.1	570,423	5.6	2.7
Salt Lake City	383,938	4.9	3.5	475,406	3.0	2.3	642,688	3.0	1.8
Greensboro	455,515	1.6	2.6	549,038	1.1	2.3	618,921	0.9	1.6
Austin	278,251	2.9	4.1	427,290	3.2	2.9	649,645	2.6	2.1
Nashville	387,660	3.5	2.8	494,704	1.7	1.9	621,221	1.0	1.5
Providence	381,643	4.5	6.3	539,646	2.6	3.9	555,540	2.5	3.3
Raleigh	323,005	2.7	4.3	458,694	1.8	3.0	617,475	1.7	2.3
Hartford	510,174	5.3	4.8	596,321	3.5	3.4	573,114	2.8	2.5
Buffalo	500,364	6.6	5.9	529,710	4.7	4.4	520,350	3.5	2.7
Memphis	384,793	4.6	4.3	457,651	2.8	2.9	511,111	1.7	1.3
West Palm Beach	233,303	1.9	3.2	376,627	1.4	2.0	475,572	1.4	1.4
Jacksonville	311,207	4.5	3.8	439,617	2.1	2.6	527,718	1.5	1.7
Rochester	453,387	4.9	6.3	508,363	3.1	4.4	516,814	2.0	3.5
Grand Rapids	357,673	1.5	4.1	441,079	1.0	2.7	531,924	0.8	2.1
Oklahoma City	397,394	1.1	2.8	448,060	0.7	2.1	509,262	0.6	1.7
Louisville	398,355	4.5	2.7	442,233	3.2	2.0	492,821	2.2	1.7

Chapter 5

VEHICLE AVAILABILITY

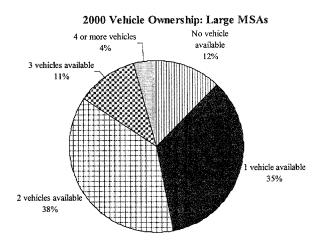
In 2000, the Census Bureau collected household vehicle data in eight categories--the lowest category was zero and the highest category was seven or more vehicles. The analysis of total vehicles and changes in relative household shares of vehicle availability is useful in understanding mode choice decisions.

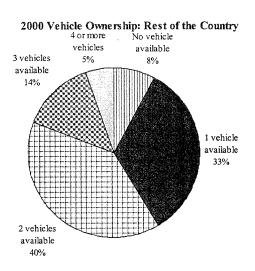
Between 1990 and 2000, 13.5 million new households and 13.2 million new workers were added in the U.S. but twice as many household vehicles were added (26 million vehicles). Overall, the growth in vehicles has been in the households with multiple vehicles available. In 2000, 40.5 percent of households had two vehicles available, and 18 percent of households had three or more vehicles available compared to just 10.0 and 1.3 percent in 1960 respectively.

Large MSAs vs Rest of Country

Although the percent has changed, the total number of zero-vehicle households remained nearly the same over the last 40 years—11.3 million households had no vehicle in 1960, and 10.9 million households had no vehicle in 2000. Large MSAs have always had more zero-vehicle households than the remainder of the country—in the 2000 Census, 12 percent of households in large MSAs were without a vehicle versus just 8 percent in the remainder of the country (see Exhibit 5.1).

Exhibit 5.1 Households by Vehicles Available - Large MSAs and Rest of the Country: 2000





Vehicle Growth vs Population Growth

Seven of the large MSAs added more than one and one-half vehicle for every person 16 and over added to the population in the 1990s (see Exhibit 5.2). Hartford and Cleveland added more than 2 vehicles for every added driving-age person. The growth in the number of vehicles exceeded the growth in driving-age adults in twenty-one of the large MSAs. Two areas, Buffalo and Pittsburgh, added vehicles even though they lost population.

Exhibit 5.2 Growth in Vehicles Compared to Population: 1990-2000

MSA	Added People (Age 16 and Over)	Added Vehicles	Ratio of Vehicles added for Every Person Added: 1990-2000
Hartford	1,992		7.9
Cleveland	60,724		2.5
Detroit	186,132	354,084	**
St. Louis	92,552	150,508	1.6
Philadelphia	183,914	293,298	1.6
Boston	218,709	330,527	1.5
Milwaukee	67,066	98,579	1.5

Exhibit 5.3 shows the metropolitan areas with the highest and lowest values for zero, one, two, and three or more vehicles per household. New York stands out with 28.7 percent of the households with no vehicle—in fact, one-fifth of the country's zero-vehicle households are in New York. Salt Lake City, with a large average household size and large number of workers per household is the metro area with the lowest percent of it's households having no vehicle.

Exhibit 5.3 Areas with Highest and Lowest Vehicle Availability: 2000

Households with	MSA	Highest
Zero-vehicles	New York	28.7
One Vehicle	Tampa	44.2
Two Vehicles	New York	28.0
Three or more vehicles	Salt Lake City	24.4

MSA	Lowest
Salt Lake City	5.80
Salt Lake City	28.1
Grand Rapids	43.6
West Palm Beach	9.60

Exhibit 5.4 shows the number of households in three vehicle ownership categories (zero, one, two, and three and more) for 1980, 1990 and 2000, and Exhibit 5.5 shows the average vehicle availability for 1990 and 2000 for the major MSAs. Exhibit 5.6 shows the percent of households in each of the vehicle availability categories. Within the large MSAs there is a difference between households located in the central county and those in suburban counties. Exhibits 5.6 and 5.7 show the percent of households in the central or in suburban counties by vehicle availability category. Exhibit 5.8 shows the percent change in relative shares between 1990 and 2000 in central and suburban counties.

Exhibit 5.4 Number of Households by Vehicles Available: 1980 - 2000

Los Angeles	5U - Z
New York	
Los Angeles	2000
Chicago 708,001 486,693 450,547 1,099,715 1,051,228 1 Washington, DC 437,980 329,327 343,841 747,539 805,066 San Francisco 346,455 241,975 253,425 730,311 755,819 Philadelphia 567,943 368,303 355,220 744,681 755,717 Boston 433,929 279,997 272,748 774,725 717,044 Detroit 311,861 229,668 181,816 646,692 630,551 Dallas 178,339 95,893 115,724 367,029 525,586 Houston 231,092 110,952 127,166 388,897 495,581 Atlanta 140,951 97,661 110,401 251,895 382,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371	506,498
Washington, DC 437,980 329,327 343,841 747,539 805,066 San Francisco 346,455 241,975 253,425 730,311 754,819 Philadelphia 567,943 368,303 355,220 744,681 755,717 Boston 433,929 279,997 272,748 774,725 717,044 Detroit 311,861 229,668 181,816 646,692 630,551 Dallas 178,339 95,893 115,724 367,029 525,586 Houston 231,092 110,952 127,166 388,897 495,581 Atlanta 140,951 97,661 110,401 251,895 328,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,000 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 <	863,807
San Francisco 346,455 241,975 253,425 730,311 754,819 Philadelphia 567,943 368,303 355,220 744,681 755,717 Boston 433,929 279,997 272,748 774,725 717,044 Detroit 311,861 229,668 181,816 646,692 630,551 Dallas 178,339 95,893 115,724 367,029 525,586 Houston 231,092 110,952 127,166 388,897 495,581 Atlanta 140,951 97,661 110,401 251,895 328,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946	192,183
Philadelphia 567,943 368,303 355,220 744,681 755,717 Boston 433,929 279,997 272,748 774,725 717,044 Detroit 311,861 229,668 181,816 646,692 630,551 Dallas 178,339 95,893 1115,724 367,029 525,586 Houston 231,092 110,952 127,166 388,897 495,581 Atlanta 140,951 97,661 110,401 251,895 328,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648	974,281
Boston 433,929 279,997 272,748 774,725 717,044 Detroit 311,861 229,668 181,816 646,692 630,551 Dallas 178,339 95,893 115,724 367,029 525,586 Houston 231,092 110,952 127,166 388,897 495,581 Atlanta 140,951 97,661 110,401 251,895 328,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 <td< td=""><td>842,057</td></td<>	842,057
Detroit 311,861 229,668 181,816 646,692 630,551 Dallas 178,339 95,893 115,724 367,029 525,586 Houston 231,092 110,952 127,166 388,897 495,581 Atlanta 140,951 97,661 110,401 251,895 328,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Ta	826,723
Dallas 178,339 95,893 115,724 367,029 525,586 Houston 231,092 110,952 127,166 388,897 495,581 Atlanta 140,951 97,661 110,401 251,895 328,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsb	797,053
Houston 231,092 110,952 127,166 388,897 495,581 Atlanta 140,951 97,661 110,401 251,895 328,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	723,222
Atlanta 140,951 97,661 110,401 251,895 328,864 Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cin	678,023
Miami 275,895 165,276 172,514 450,209 490,145 Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittisburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373	598,310
Seattle 151,018 87,916 107,574 300,090 362,043 Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 <td< td=""><td>478,587</td></td<>	478,587
Phoenix 106,393 60,913 82,820 216,553 332,371 Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 <	587,659
Minneapolis 120,689 86,448 91,562 276,270 299,963 Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwauke 103,276 80,636 75,838 212,603 203,803	455,180
Cleveland 193,396 134,639 117,223 389,208 374,946 San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307	463,686
San Diego 112,307 70,337 79,978 244,886 302,648 St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626	359,475
St. Louis 173,713 101,628 91,446 307,130 315,397 Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 <td< td=""><td>412,898</td></td<>	412,898
Denver 98,626 60,025 70,291 213,726 259,600 Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las	346,500
Tampa 180,368 79,324 81,670 312,043 385,903 Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 C	348,086
Pittsburgh 214,207 151,751 125,087 375,351 353,498 Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 <td< td=""><td>328,956</td></td<>	328,956
Portland 97,743 58,647 68,456 206,318 223,332 Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New	446,199
Cincinnati 120,184 78,140 73,712 207,902 214,373 Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 <td< td=""><td>357,546</td></td<>	357,546
Sacramento 84,671 42,533 51,715 143,422 181,569 Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 <	286,801
Kansas City 94,556 52,215 50,455 181,754 200,952 Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 <	248,409
Milwaukee 103,276 80,636 75,838 212,603 203,803 Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nas	229,814
Orlando 56,584 30,993 38,938 118,815 173,307 Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Prov	232,951
Indianapolis 80,617 46,569 44,834 163,697 179,626 San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 R	233,306
San Antonio 66,229 45,746 50,367 126,287 167,614 Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	236,263
Norfolk 77,724 50,262 50,009 147,293 170,586 Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	214,288
Las Vegas 38,121 25,839 52,766 75,345 129,800 Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	202,271
Columbus 76,141 46,034 46,043 160,258 173,080 Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	191,713
Charlotte 55,044 38,132 37,877 109,273 133,933 New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	233,733
New Orleans 125,038 84,962 77,462 169,464 174,478 Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	212,774
Salt Lake City 36,575 21,096 24,860 88,160 102,370 Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	186,381
Greensboro 56,090 36,432 35,707 105,901 123,975 Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	195,432
Austin 40,071 23,352 28,048 75,607 124,374 Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	121,257
Nashville 48,170 31,043 31,345 101,569 121,005 Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	159,797
Providence 72,552 48,802 52,755 125,064 148,765 Raleigh 38,571 26,881 29,254 78,526 107,882	168,160
Raleigh 38,571 26,881 29,254 78,526 107,882	57,625
	67,821
Hartford 57 600 45 120 44 500 121 500	50,826
Hartford 57,698 45,128 44,777 131,580 135,625	52,303
Buffalo 103,479 75,282 67,219 187,121 171,729	79,320
Memphis 68,291 48,400 44,073 114,990 127,408	56,601
W. D. D.	09,426
Jacksonville 60,271 32,792 32,606 99,078 122,538	54,319
	47,077
	24,259
	53,880
	42,898
4.11	36,634

Exhibit 5.4 Number of Households by Vehicles Available: 1980 - 2000

DAMIDIC S.4 IV		3+ Vehicle Households					
MSA	1980	hicle Househol	2000	1980	1990	2000	
		1,936,053	2,162,171	626,768	869,289	850,378	
New York	1,687,924 1,355,443	1,835,083	1,987,151	838,323	979,270	958,264	
Los Angeles	886,782	1,033,599	1,203,511	308,648	397,579	455,970	
Chicago	690,643	914,002	1,061,279	308,938	442,646	492,460	
Washington, DC		853,276	953,053	398,667	479,738	508,623	
San Francisco	666,773	750,380	838,550	234,168	285,742	300,226	
Philadelphia	616,995				286,280	295,398	
Boston	587,359	742,105	855,329	208,420		351,582	
Detroit	662,989	720,534	825,177	313,480	335,656	303,124	
Dallas	410,879	628,964	809,893	252,667	257,588	243,759	
Houston	408,472	537,950	670,166	226,395	194,292		
Atlanta	286,166	439,390	625,438	165,013	236,663	290,445	
Miami	309,337	412,991	502,341	116,079	152,385	168,705	
Seattle	312,042	451,179	545,646	209,955	254,223	283,993	
Phoenix	196,556	329,710	476,459	125,350	123,720	171,285	
Minneapolis	287,140	398,387	485,428	141,473	175,372	200,150	
Cleveland	376,585	403,092	448,177	159,298	181,736	188,501	
San Diego	221,374	343,476	391,670	141,779	170,942	176,529	
St. Louis	316,189	369,001	402,654	135,108	156,093	170,233	
Denver	230,102	306,092	404,028	156,263	159,559	199,943	
Tampa	194,192	303,924	372,603	77,455	100,330	108,844	
Pittsburgh	295,460	325,816	356,954	104,189	116,183	126,913	
Portland	203,345	273,528	347,046	129,885	135,595	164,172	
Cincinnati	219,641	261,301	301,232	101,508	125,323	144,777	
Sacramento	141,501	219,222	262,681	96,714	113,124	121,088	
Kansas City	198,946	247,916	288,323	100,959	107,376	122,739	
Milwaukee	194,731	226,481	253,671	73,460	90,538	95,661	
Orlando	103,958	189,243	259,472	47,880	71,732	90,575	
Indianapolis	178,470	210,028	257,867	81,896	93,591	112,666	
San Antonio	122,832	173,590	220,317	69,666	71,552	86,991	
Norfolk	145,624	204,720	231,532	60,058	85,568	104,405	
Las Vegas	67,058	122,157	223,084	43,193	52,694	78,788	
Columbus	163,143	205,491	248,031	71,889	88,893	103,909	
Charlotte	131,169	174,108	241,354	68,581	94,497	109,681	
New Orleans	144,109	159,112	175,864	55,799	51,271	56,821	
Salt Lake City	104,304	146,243	180,480	77,600	77,822	105,443	
Greensboro	128,800	159,053	195,901	76,563	95,333	107,346	
Austin	76,653	130,764	201,865	44,322	47,505	73,782	
Nashville	111,654	153,180	198,452	58,514	70,603	92,147	
Providence	102,563	159,222	176,050	39,595	70,480	65,438	
Raleigh	89,003	133,225	193,465	46,355	66,518	87,552	
Hartford	139,853	173,470	186,726	60,811	80,907	73,601	
Buffalo	136,917	156,952	168,285	46,730	57,840	53,895	
Memphis	107,644	134,363	159,588	49,306	55,279	63,940	
West Palm Beach	71,960	133,938	181,457	28,563	40,468	45,633	
Jacksonville	89,139	136,736	176,857	39,081	51,460	61,802	
Rochester	127,706	154,888	169,238	47,864	63,354	61,939	
Grand Rapids	111,131	142,750	172,664	54,341	62,639	74,918	
Oklahoma City	118,991	150,633	171,530	72,956	63,587	71,076	
Louisville	124,927	139,436	160,693	57,309	63,649	69,380	
All areas	14,655,174	18,906,754	22,381,403	7,049,834		9,345,490	

Exhibit 5.5 Average Vehicles Available in Households: 1990-2000

MSA	1990	2000
New York	1.28	1.26
Los Angeles	1.77	1.71
Chicago	1.50	1.56
Washington, DC	1.66	1.66
San Francisco	1.76	1.76
Philadelphia	1.49	1.51
Boston	1.57	1.58
Detroit	1.68	1.71
Dallas	1.75	1.74
Houston	1.65	1.68
Atlanta	1.83	1.80
Miami	1.50	1.51
Seattle	1.85	1.81
Phoenix	1.66	1.67
Minneapolis	1.76	1.77
Cleveland	1.64	1.67
San Diego	1.78	1.75
St. Louis	1.68	1.71
Denver	1.80	1.81
Tampa	1.52	1.54
Pittsburgh	1.47	1.55
Portland	1.78	1.78
Cincinnati	1.72	1.75
Sacramento	1.80	1.75
Kansas City	1.73	1.76
Milwaukee	1.60	1.61
Orlando	1.70	1.69
Indianapolis	1.73	1.77
San Antonio	1.64	1.67
Norfolk	1.69	1.74
Las Vegas	1.67	1.61
Columbus	1.72	1.74
Charlotte	1.82	1.80
New Orleans	1.41	1.45
Salt Lake City	1.90	1.97
Greensboro	1.85	1.84
Austin	1.67	1.73
Nashville	1.77	1.80
Providence	1.66	1.60
Raleigh	1.79	1.80
Hartford	1.74	1.69
Buffalo	1.48	1.48
Memphis	1.58	1.63
West Palm Beach	1.54	1.52
Jacksonville	1.65	1.68
Rochester	1.66	1.65
Grand Rapids	1.80	1.84
Oklahoma City	1.74	1.73
Louisville	1.68	1.69

Exhibit 5.6 Vehicle Ownership in Central County: 2000

		Percent of Total Households										
MSA	Total Households	No Vehicle		2 Vehicles								
New York	738,644	77.5	20.2	1.8	0.5							
Los Angeles	3,133,774		37.0	34.5	16.0							
Chicago	1,974,181	19.1	40.4	30.3	10.2							
Washington, DC	248,338		43.5	15.5	4.1							
San Francisco	329,700		42.0	22.1	7.3							
Philadelphia	590,071	35.7	42.0	18.0	4.2							
Boston	278,722	33.2	44.7	17.7	4.4							
Detroit	768,440		39.0	34.0	13.2							
Dallas	807,621	8.1	40.3	38.1	13.6							
Houston	1,205,516		38.9	38.8	13.6							
Atlanta	321,242		38.2	34.0	12.6							
Miami	776,774		38.8	33.9	13.0							
Seattle	710,916		35.4	37.5	17.8							
Phoenix	1,132,886		38.7	40.1	14.3							
Minneapolis	456,129		36.5	39.2	13.6							
Cleveland	571,457	13.7	40.0	34.5	11.8							
	994,677	8.0	34.8	39.4	17.7							
San Diego St. Louis	147,076		45.8	22.6	6.5							
A	239,235		43.1	31.5	11.5							
Denver	391,357		39.9	39.7	12.3							
Tampa	537,150		39.4	34.3	10.0							
Pittsburgh	272,098		39.4	35.2	13.7							
Portland Cincinnati	346,790		36.9	34.8	14.8							
		 	37.1	38.2	16.0							
Sacramento	453,602 266,294			36.8	14.1							
Kansas City	377,729		41.5	32.4	9.8							
Milwaukee		†	37.7		13.7							
Orlando	336,286		40.0		13.6							
Indianapolis	352,164			38.6	14.6							
San Antonio	488,942		41.4		10.6							
Norfolk	86,210		40.2	37.6								
Las Vegas	512,253				12.7							
Columbus	438,778	 	36.2	42.0	13.8 14.9							
Charlotte	273,416		42.3	24.2								
New Orleans	188,251				6.2							
Salt Lake City	295,141		29.4 34.9	41.3 39.2	23.0 18.1							
Greensboro	168,667											
Austin	320,766	·		40.3	13.5							
Nashville	237,405		40.5	36.9	13.8							
Providence	239,936		39.0	34.7	12.2							
Raleigh	242,040			44.7	18.4							
Hartford	335,098			39.5	14.5							
Buffalo	380,873	+	38.6	35.3	11.0							
Memphis	338,366		38.6	36.3	13.9							
West Palm Beach	474,175			38.3	9.6							
Jacksonville	303,747		38.4		13.0							
Rochester	286,512			39.3	13.0							
Grand Rapids	212,890			42.5	16.8							
Oklahoma City	266,834			38.4								
Louisville	287,012	11.3	37.5	37.7	13.5							

Exhibit 5.7 Vehicle Ownership in Suburban Counties: 2000

			ds e		
MSA	Total Households		1 Vehicle	2 Vehicles	
New York	6,996,620	23.5		30.7	12.1
Los Angeles	2,213,333	6.5	31.9	41.0	
Chicago	1,328,030	5.5		45.6	
Washington, DC	2,623,523	9.6	33.0	39.0	18.4
San Francisco	2,227,458	7.1	31.6	39.5	21.8
Philadelphia	1,730,648	8.3	33.4	42.3	15.9
Boston	1,941,806	9.3	34.6	41.5	14.6
Detroit	1,313,357	5.8	32.3	42.9	19.1
Dallas	1,099,143	4.6		45.7	17.6
Houston	433,885	5.2	29.7	46.7	18.4
Atlanta	1,183,629	5.2	30.1	43.6	21.1
Miami	654,445	9.4	43.7	36.5	10.4
Seattle	681,477	6.1	29.9	40.9	23.1
Phoenix	61,364	6.6	41.0	36.5	15.8
Minneapolis	680,486	6.3	28.4	45.0	20.3
Cleveland	595,342	6.6	30.9	42.1	20.4
San Diego	0				
St. Louis	865,343	6.3	32.4	42.7	18.6
Denver	763,983	4.9	`29.5	43.0	22.6
Tampa	617,959	8.1	46.9	35.1	9.8
Pittsburgh	429,350	8.8	33.9	40.3	17.0
Portland	594,377	5.7	30.7	42.3	21.4
Cincinnati	421,340	6.4	28.6	42.9	22.2
Sacramento	211,696	5.8	29.1	42.2	22.9
Kansas City	428,174	5.1	30.6	44.4	19.9
Milwaukee	280,747	5.1	27.3	46.8	20.8
Orlando	288,962	5.0	37.9	41.8	15.4
Indianapolis	277,491	3.9	26.5	46.2	23.4
San Antonio	71,004	4.8	28.4	44.7	22.0
Norfolk	491,449	7.2	31.7	41.7	19.4
Las Vegas	76,118	5.4	36.3	40.1	18.2
Columbus	171,979	4.9	25.7	44.3	25.1
Charlotte	301,877	6.3	28.9	41.9	22.9
New Orleans	317,328	8.2	36.5	41.1	14.2
Salt Lake City	136,899	4.6	25.1	42.9	27.4
Greensboro	330,084	6.8	30.6	39.3	23.3
Austin	151,089	4.1	27.9	48.0	20.1
Nashville	242,164	4.4	25.4	45.7	24.5
Providence	222,128	8.5	33.4	41.8	16.3
Raleigh	219,057	8.0	33.4	39.0	19.7
Hartford	122,309	5.9	29.4	44.4	20.3
Buffalo	87,846	11.1	36.8	38.6	13.5
Memphis	85,836	7.1	30.1	43.0	19.8
West Palm Beach	0				
Jacksonville	121,837	4.1	31.0	46.6	18.3
Rochester	133,561	6.7	32.4	42.5	18.4
Grand Rapids	183,157	5.0	28.7	44.9	21.4
Oklahoma City	157,930	4.7	30.3	43.7	21.3
Louisville	125,038	5.3	28.2	42.0	24.5

Exhibit 5.8 Change in Percent of Households by Vehicle Availability: 1990-2000

Exhibit 5.0 Change	III I CI C							
DI CRECIA	O N/EWX		County			uburbar		
Name of MSA	0 VEH			3+ VEH	0 VEH	L		3+ VEH
New York	-0.4		0.1	0.2	0.0	0.6	0.8	-1.4
Los Angeles	1.4		-0.5	-2.1	1.1	1.5	-0.4	-2.2
Chicago	-3.1	1.7	1.2	0.2	-0.8	-0.1	0.9	-0.1
Washington, DC	-0.5	-	-1.0	-0.7	-0.9	1.7	0.0	-0.8
San Francisco	-2.1	0.4	1.1	0.7	-0.2	0.6	0.5	-0.9
Philadelphia Philadelphia	-2.4	1	0.4	0.4	-0.6	0.6	0.9	-1.0
Boston	-3.3		0.6	0.0	-1.1	0.2	1.9	-1.0
Detroit	-6.2	3.3	2.9	-0.1	-0.7	1.2	0.8	-1.4
Dallas	-0.1	2.0	-0.5	-1.4	-0.2	0.2	1.3	-1.3
Houston	-0.2	<u>. </u>	-0.1	0.2	-1.1	-1.3	2.2	0.2
Atlanta	-4.2	2.8	3.3	-1.9	-0.5		1.0	-2.5
M iami	-1.7	1.6	. 0.7	-0.6	-1.0	-0.2	1.8	-0.6
Seattle	0.3	2.6	-0.4	-2.5	0.0	0.2	0.6	-0.8
Phoenix	-0.2		1.0	-0.3	-1.8		0.3	-0.8
M inneapolis	-1.1	2.4	0.1	-1.4	-0.5	-0.6	1.7	-0.5
Cleveland	-3.2	2.4	1.3	-0.5	-0.9	0.2	1.5	-0.8
San Diego	0.1	0.7	0.7	-1.5				
St. Louis	-4.0	2.8	0.8	0.4	-0.6	1.0	-0.2	-0.2
Denver	-2.2	0.7	1.6	-0.2	0.3	-0.1	0.7	-0.9
Tampa	-0.6	1.4	0.6	-1.4	-1.3	-1.0	2.7	-0.4
Pittsburgh	-3.1	0.5	2.7	0.0	-2.7	-1.2	2.2	1.8
Portland	-1.0	1.1	0.1	-0.3	0.0	1.0	0.3	-1.3
Cincinnati	-2.0	2.3	-0.3	0.0	-1.2	0.1	1.0	0.1
Sacramento	0.3	2.5	-0.6	-2.2	0.0	1.2	1.5	-2.7
Kansas City	-1.9	1.5	0.7	-0.4	-0.6	0.2	0.4	0.0
Milwaukee	-2.2	2.7	-0.1	-0.3	0.0	1.5	0.7	-2.2
Orlando	-0.2	0.8	0.4	-1.0	-0.7	0.2	1.4	-0.8
Indianap olis	-1.5	1.4	-0.3	0.4	-1.3	-0.3	2.7	-1.0
San Antonio	-0.8	-0.1	1.2	-0.3	-1.6	-2.0	3.2	0.5
Norfolk	-0.7	-0.2	0.3	0.6	-1.0	0.1	-0.4	1.2
Las Vegas	1.2	0.3	1.2	-2.7	0.8	1.1	-0.7	-1.3
Columbus	-1.6	2.4	0.1	-0.9	-0.8	-1.4	1.6	0.5
Charlotte	-2.0	2.8	1.9	-2.7	-2.1	1.1	2.9	-1.8
New Orleans	-4.2	2.6	1.6	0.0	-0.9	1.1	-0.3	0.2
Salt Lake City	-0.4	-1.7	0.1	2.1	0.0	-0.4	-1.3	1.8
Greensboro	-1.8	3.0	0.8	-2.0	-1.5	1.7	1.0	-1.2
Austin	-1.0	-1.8	1.8	0.9	-1.5	-3.0	3.8	0.7
Nashville	-1.7	2.6	-0.6	-0.3	-1.2	0.2	1.0	0.0
Providence	0.6	-						
Raleigh	-1.4	 		-1.4				
Hartford	-0.7	1	1.0	-2.6				
Buffalo	-1.9		-	-1.1	-2.0		3.0	
M emphis	-2.7		 	-0.1	-3.0		3.1	-1.2
West Palm Beach	-0.2							
Jacksonville	-1.8			-0.5		-0.7	3.1	-1.1
Rochester	-1.2		 	-1.7	-		0.9	
Grand Rapids	-0.9			0.1	-1.0		 	
Oklahoma City	0.0		-1.2		 			
Louisville	-2.1	ļ			 			
20410 71110		L	1.0	L -1.3	1	L	L 0.7	L

Chapter 6

PLACE OF WORK AND COMMUTING FLOWS

This section provides an exploratory analysis for place of work and worker flow changes for major MSAs from 1990 – 2000, specifically the growth in suburban commuting. The data on place of work were obtained in the decennial census from individuals who worked during the reference week and include civilian workers and members of the Armed Forces. People who were absent from work due to vacation or illness are not included; and people who were working "out of town" had their place of work coded to the temporary workplace location.

One of the strengths of decennial census data is the availability of journey-to-work flows at a very detailed level of geography. However, at the time of this report only the county-to-county worker flows were available. Due to the difficulties of reconciling geographic definitions over time for New York, Boston, Providence, and Hartford, these areas were not included.

Overall Trends

No over-arching pattern of growth existed for all of the major MSAs—some were fast growing, some slow; some were sprawling, some retained centrality of employment centers; the very large and the smaller MSAs had some things in common and some differences. No single analysis or one story told the tale of what is happening in our major metropolitan areas, except for the huge growth in suburban commuting.

In some cases the growth of population, workers, and jobs in suburban counties may simply reflect the fact that central counties were saturated and new development to accommodate growth was built in less dense areas. The workers who commute to suburban locations often are commuting within their own suburban county. Most areas, except for West Palm Beach and San Diego, saw no change or a small decline in the proportion of workers who countercommute (live in the Central area and work in a Suburban area).

Some older, established areas saw large declines in central-to-central commutes and traditional commutes from suburban areas to central, notably Philadelphia and St. Louis. Regardless of these declines, every MSA had a large proportion of the workers in the MSA commuting to the Central County, ranging from 96.5 percent in San Diego (where the central county is the entire MSA) to 31.2 percent for Denver.

Exhibits 6.1 and 6.2 show the change in central-to-central, central-to-suburban, suburban-to-central, and suburban-to-suburban work commutes between 1990 and 2000. Only two areas lost workers, Los Angeles had approximately 41,000 fewer workers in 2000 than in 1990¹, and Buffalo lost about 11,000.

¹ Some analysts in California and Los Angeles have conveyed their concern to the Census Bureau that this decrease in total workers from decennial census results are inconsistent with local knowledge and have asked the Census Bureau to conduct further research.

Exhibit 6.1 Journey to Work Flows, Share of Commuters: 1990-2000

Exhibit 6.1 Jour	T T	1					Centra	l - Subu	rban
	Central - Central County				County	County			
1. F.C. A.	1990 Total Workers	2000 Total Workers	Percent change in workers	İ	2000	Change	1990	2000	Change
MSA	6,809,043	6,767,619	-0.6	56.9	52.8	-4.0	3.0	3.6	0.5
Los Angeles	3,922,295	4,218,108	7.5	54.8	49.3	-5.5	5.3	6.5	1.2
Chicago	3,611,094	3,839,052	6.3	6.6	5.0	-1.6	1.8	1.7	0.0
Washington, DC	3,200,833	3,432,157	7.2	9.6	9.4	-0.2	2.2	2.7	0.5
San Francisco	2,784,581	2,815,405	1.1	18.4	15.3	-3.2	4.2	4.6	0.4
Philadelphia	2,784,381	2,482,457	8.2	27.6	24.9	-2.7	8.0	8.1	0.2
Detroit		2,527,648	24.0		35.8	-6.1	3.8	4.7	0.9
Dallas	2,038,398	2,081,607	17.7		68.1	-5.1	2.5	3.7	1.2
Houston	1,768,567	2,060,632	33.6		12.9	-1.4	5.8	5.4	-0.3
Atlanta	1,542,948		11.3	+	50.1	-7.1	2.1	3.7	1.5
Miami	1,476,085	1,642,866	18.4		47.8	-2.2	3.1	3.0	-0.1
Seattle	1,499,734	1,776,224	41.5		94.2	-0.1	0.5	0.5	0.1
Phoenix	1,036,017	1,466,434			31.6		5.7	6.0	
Minneapolis	1,344,797	1,595,550	18.6 7.3		41.1	-3.6	2.8	3.6	0.8
Cleveland	1,282,092	1,375,774	5.6		96.5	-0.1	2.01	3.0	, , , , , , , , , , , , , , , , , , ,
San Diego	1,230,446	1,299,503			6.7		4.6	4.6	0.0
St. Louis	1,166,023	1,238,964	6.3			-2.1	7.0	7.3	
Denver	1,026,847	1,346,025	31.1		13.1 39.5		2.3	3.0	
Tampa	914,711	1,063,957	16.3				2.8	3.3	1
Pittsburgh	1,023,825	1,057,354	3.3		50.8		6.0	6.2	
Portland	861,141	1,105,133	28.3		23.8		4.2	5.8	
Cincinnati	844,125	951,709	12.7		35.3		5.4	7.3	
Sacramento	685,945	799,989	16.6		56.7			8.3	
Kansas City	778,624	881,258	13.2		26.5		7.4	9.0	
Milwaukee	772,752	816,880	5.7		42.3		7.0	6.5	
Orlando	614,382	786,243	28.0		47.9		4.8		
Indianapolis	683,007	795,755	16.		46.3		3.8	6.1	
San Antonio	578,529	698,685	20.8				0.6	1.4	
Norfolk	720,890	760,401	5.:				3.7	4.4	
Las Vegas	416,025	702,535	68.				1.1	0.4	
Columbus	663,006	777,922	17.				1.8	3.2	
Charlotte	604,856		24.					2.9	
New Orleans	531,697	570,423	7.				6.1	6.7	
Salt Lake City	479,338	642,688	34.					1.6	
Greensboro	550,325							3.0	
Austin	431,345							4.5	
Nashville	495,717	621,221						5.0	
Raleigh	461,516							8.8	
Buffalo	531,122							2.7	
Memphis	458,534						+	2.2	2 0.
West Palm Beach	380,260	475,572				_			
Jacksonville	443,882	527,718	18.					3.0	
Rochester	509,733	516,814						2.4	
Grand Rapids	442,228		20.					3.0	
Oklahoma City	450,122		13.	1 58.9				3	
Louisville	442,933			3 65.6	61.	6 -4.0	2.6	3.	1 0

Exhibit 6.1 Journey to Work Flows, Share of Commuters: 1990-2000

	Suburba	n-Centra	l County	ł	ourban - S urban Co			ban - Dii irban Co	
MSA	1990	2000	Change	1990	2000	Change	1990	2000	Change
Los Angeles	6.3	5.9	-0.4	30.0	32.9	3.0	2.7	3.2	0.5
Chicago	10.1	10.4	0.3	23.9	25.8	1.9	4.8	6.5	1.8
Washington, DC	13.2	12.1	-1.1	45.7	45.4	-0.3	31.2	33.9	2.7
San Francisco	7.8	7.4	-0.4	64.1	62.4	-1.7	14.9	16.7	1.8
Philadelphia	8.4	7.8	-0.7	48.6	49.7	1.1	15.6	17.6	1.9
Detroit	9.2	8.8	-0.5	43.7	44.1	0.4	9.5	11.9	2.4
Dallas	14.1	16.4	2.4	34.5	35.6	1.1	3.8	5.4	1.6
Houston	9.4	11.9	2.6	12.7	13.5	0.8	0.7	0.9	0.3
Atlanta	21.3	20.5	-0.8	37.3	37.9	0.7	18.9	20.5	1.5
Miami	5.2	7.0	1.8	31.9	34.4	2.5			*.5
Seattle	10.0	11.6	1.6	33.3	33.5	0.2	1.8	2.2	0.5
Phoenix	0.8	1.4	0.6	2.8	2.5	-0.4			
Minneapolis	15.8	17.5	1.7	28.4	28.0	-0.4	12.6	14.6	2.0
Cleveland	11.4	12.1	0.6	34.0	35.1	1.1	4.4	5.5	1.1
San Diego									
St. Louis	17.5	13.9	-3.7	51.7	53.9	2.2	15.4	19.1	3.7
Denver	20.6	18.1	-2.6	40.8	41.1	0.3	14.3	17.9	3.6
Tampa	5.5	7.5	2.0	45.2	43.3	-1.9	3.0	3.6	0.6
Pittsburgh	10.0	11.5	1.5	27.0	27.8	0.8	2.2	3.1	0.9
Portland	16.2	14.6	-1.7	41.4	44.3	2.9	7.3	9.0	1.7
Cincinnati	17.8	17.5	-0.3	24.1	26.3	2.2	7.5	10.7	3.2
Sacramento	8.5	9.0	0.5	17.9	20.0	2.1	0.7	1.1	0.4
Kansas City Milwaukee	15.1	14.1	-1.0	33.0	35.8	2.8	11.0	12.9	1.9
Orlando	12.0	12.7	0.6	26.6	28.8	2.2	2.5	3.6	1.1
Indianapolis	16.1	17.2	1.1	23.4	23.7	0.4	0.7	1.3	0.6
San Antonio	16.6	18.8	2.2	21.1	21.8	0.6	2.1	3.6	1.4
Norfolk	3.4	4.7	1.3	5.7	5.9	0.2	0.8	1.1	0.3
Las Vegas	14.8	13.9	-0.9	41.8	41.6	-0.2	22.4	26.6	4.2
Columbus	1.7	2.0	0.3	8.6	7.6	-1.0	0.0	0.0	0.0
Charlotte	10.3	13.0	2.7	14.1	13.8	-0.2	0.7	0.9	0.2
New Orleans	12.0	14.1	2.1	35.3	30.3	-5.0	3.6	3.8	0.2
Salt Lake City	17.6	15.8	-1.8	37.8	39.9	2.1	7.3	8.6	1.3
Greensboro	5.8	6.3	0.5	19.6	19.6	0.0	4.9	4.9	0.0
Austin	8.9	9.7	0.9	46.7	43.3	-3.4	6.9	8.0	1.2
Vashville	14.2	16.1	2.0	13.2	15.0	1.7	0.6	0.8	0.2
laleigh	17.4	20.0	2.6	25.5	27.8	2.2	2.2	3.7	1.5
Buffalo	6.4	8.9	2.5	32.7	26.7	-6.0	5.7	6.2	0.5
Temphis	4.6	5.9	1.3	13.4	12.5	-0.9		0.0	
Vest Palm Beach	8.6	10.7	2.1	7.8	8.7	0.9	0.1	0.2	0.1
acksonville	10.1								
	10.3	12.3	1.9	12.7	14.5	1.8	0.2	0.4	0.2
ochester rand Rapids	9.5	10.2	0.7	18.5	18.7	0.2	1.6	2.0	0.3
	7.7	8.1	0.3	30.4	29.6	-0.8	5.0	6.8	1.8
klahoma City ouisville	17.3	17.6	0.3	17.6	19.2	1.6	1.1	1.7	0.5
ouisville	12.1	13.3	1.2	13.1	13.9	0.8	3.0	4.2	1.2

Exhibit 6.2 Changes in Commuter Flows: 1990-2000

Exhibit 6.2 Chai	iges in Co	mmuter	Flows: 1	<u>990-200</u>	<u>U</u>		
						S-S	
	0.0	C-S	C-Outside		S-S (Same	(Different	S-Outside
A T C A	C-C Workers	Workers	MSA	S-C	County)	County)	MSA
MSA	-295,904	35,963	3,443	-27,122	187,646	35,269	19,281
Los Angeles	-69,800	68,132	3,205	43,349	152,734	88,484	9,709
Chicago Washington, DC	-46,168	2,631	-7	-12,074	93,020	175,699	14,857
San Francisco	14,609	21,020	615	4,089	89,920	95,489	5,582
Philadelphia	-83,500	12,586		-16,187	46,238	59,444	12,145
Detroit	-15,010	18,975		5,951	92,847	76,695	8,165
Dallas	50,286	42,262		128,663	197,050	58,268	
Houston	122,384	32,479		82,550	57,394	7,703	5,996
Atlanta	44,561	22,815		94,021	206,534	129,362	17,691
Miami	-21,080	28,535		37,759	94,217		23,478
Seattle	98,739	7,239		56,226	95,100	13,453	5,816
Phoenix	404,084	2,861	<u> </u>	11,630	6,789		2,051
Minneapolis	26,291	19,135		66,551	65,250	63,793	8,673
Cleveland	-7,752	14,098		19,289	47,017	19,637	2,415
San Diego	65,632		3,425				
St. Louis	-21,701	3,647		-32,617	64,661	56,701	
Denver	20,122	25,450		31,256	134,136		
Tampa	46,039	11,295			47,246	10,928	
Pittsburgh	-19,111	6,549			17,785	10,156	
Portland	30,880	16,716		21,310	132,906		
Cincinnati	-20,153	19,375		16,463	47,263		
Sacramento	28,540			13,923	36,849		
Kansas City	-9,501	15,230		6,302			
Milwaukee	-33,727	19,822	2 2,076	10,598			
Orlando	59,216		1 2,555	36,349			
Indianapolis	4,643		1 750				
San Antonio	79,415		2 5,547	13,128			
Norfolk	-26,249		6 707				
Las Vegas	258,552		7 3,483	7,102			
Columbus	44,291		5 3,814	33,085			
Charlotte	70,555	10,28	8 4,921				
New Orleans	-4,246	5,97				3 10,49	
Salt Lake City	104,750	-1,36					
Greensboro	19,930	5,68					
Austin	107,989	20,15		_			
Nashville	8,968	13,81					
Raleigh	71,205	25,27					
Buffalo	-12,560						- 100
Memphis	16,960	2,99			1 8,92	4 32	3 4,92
West Palm Beach	78,711		16,60			1	0 22
Jacksonville	34,685						
Rochester	-7,027						
Grand Rapids	33,800						
Oklahoma City	18,024						
Louisville	13,060	0 3,78	91	5 12,06	10,66	7,61	4 1,78

Exhibit 6.3 Place of Work - Workers Living in Central Counties: 1990

		Work in Central		1	rk in	Work (Outside	
	Total	County		Suburba	n County	MSA		
MSA	Workers	Number	Percent	Number	Percent	Number	Percent	
Los Angeles	4,115,248	3,872,310	94.1	206,638	5.0	36,300	0.9	
Chicago	2,369,624	2,147,598	90.6	206,035	8.7	15,991	0.7	
Washington	304,428	236,734	77.8	64,526	21.2	3,168	1.0	
San Francisco	382,309	307,400	80.4	71,702	18.8	3,207	0.8	
Philadelphia	640,577	513,167	80.1	117,316	18.3	10,094	1.6	
Detroit	822,620	633,415	77.0	182,588	22.2	6,617	0.8	
Dallas	943,146	855,094	90.7	77,736	8.2	10,316	1.1	
Houston	1,356,196	1,294,782	95.5	44,480	3.3	16,934	1.2	
Atlanta	315,366		70.2	88,976	28.2	5,081	1.6	
Miami	887,996		95.1	31,561	3.6	11,713	1.3	
Seattle	805,782	750,970	93.2	45,910	5.7	8,902	1.1	
Phoenix	996,495	977,648		4,890	0.5	13,957	1.4	
Minneapolis	561,081	478,582		76,518	13.6	5,981	1.1	
Cleveland	617,552	573,657	92.9		5.8	8,008	1.3	
San Diego	1,230,446		96.6		0.0	42,449		
St. Louis	158,499	104,181	65.7		33.5	1,231	0.8	
Denver	231,503	156,628		72,165	31.2	2,710		
Tampa	410,950	373,741	90.9		5.1	16,229	3.9	
Pittsburgh	595,405	555,766			4.8	11,093	1.9	
Portland	286,600	231,766		 	18.2	2,769	1.0	
Cincinnati	399,406	356,399		35,458	8.9	7,549	1.9	
Sacramento	482,321	424,777	·	36,800	7.6	20,744	4.3	
Kansas City	304,852	242,909			18.9	4,228		
Milwaukee	439,449	378,890		54,012	12.3	6,547	1.5	
Orlando	356,271	317,493	89.1	29,608	8.3	9,170		
Indianapolis	396,584	363,631	91.7		6.5	7,138		
San Antonio	516,606				0.6	10,921	2.1	
Norfolk	130,549		77.2		20.4	3,055	2.3	
Las Vegas	371,128				1.3	4,465	1.2	
Columbus	487,305				2.4	11,456		
Charlotte	277,227	258,943		<u> </u>	4.1	6,828		
New Orleans	186,926				17.3	2,914	1.6	
Salt Lake City	329,238	306,533			3.6	10,882	3.3	
Greensboro	185,853	167,220		13,149	7.1	5,484	3.0	
Austin	302,909	287,911	95.0		3.0	5,874	1.9	
Nashville	261,683	239,898	}	17,331	6.6	4,454	1.7	
Raleigh	237,181	201,227	84.8	28,985	12.2	6,969	2.9	
Buffalo	432,883	409,439	94.6		3.0	10,468	2.4	
Memphis	379,633	366,238		8,085	2.1	5,310	1.4	
West Palm Beach	380,260	343,100	90.2	0,000	0.0	37,160	9.8	
Jacksonville	333,152	314,868	94.5	10,271	3.1	8,013	2.4	
Rochester	347,088	335,539	96.7	8,002	2.3	3,547	1.0	
Grand Rapids	242,899	224,893	92.6	10,186	4.2	7,820	3.2	
Oklahoma City	281,207	265,081	94.3	10,468	3.7	5,658	2.0	
Louisville	311,336	290,564	93.3	11,689	3.8	9,083	2.9	

Exhibit 6.4 Place of Work - Workers Living in Central Counties: 2000

Exhibit 0.4 Trace of Work		Work in		1	k in	Work outside		
		Cour			n County	1		
	Total	Cour	l	Subuiba	County	141	3A.	
MSA	Workers	Number	Percent	Number	Percent	Number	Percent	
Los Angeles	3,858,750	3,576,406	92.7	242,601	6.3	39,743	1.0	
Chicago	2,371,161	2,077,798	87.6	274,167	11.6	19,196	0.8	
Washington, DC	260,884	190,566	73.0	67,157	25.7	3,161	1.2	
San Francisco	418,553	322,009	76.9	92,722	22.2	3,822	0.9	
Philadelphia	569,761	429,667	75.4	129,902	22.8	10,192	1.8	
Detroit	827,311	618,405	74.7	201,563	24.4	7,343	0.9	
Dallas	1,038,779	905,380	87.2	119,998	11.6	13,401	1.3	
Houston	1,515,593	1,417,166	93.5	76,959	5.1	21,468	1.4	
Atlanta	385,442	265,870	69.0	111,791	29.0	7,781	2.0	
Miami	899,323	823,642	91.6	60,096	6.7	15,585	1.7	
Seattle	911,677	849,709	93.2	53,149	5.8	8,819	1.0	
Phoenix	1,406,442	1,381,732	98.2	7,751	0.6	16,959	1.2	
Minneapolis	607,567	504,873	83.1	95,653	15.7	7,041	1.2	
Cleveland	622,876	565,905	90.9	49,985	8.0	6,986	1.1	
San Diego	1,299,503	1,253,629	96.5			45,874	3.5	
St. Louis	140,747	82,480	58.6	56,734	40.3	1,533	1.1	
Denver	278,715	176,750	63.4	97,615	35.0	4,350	1.6	
Tampa	470,753	419,780	89.2	32,275	6.9	18,698	4.0	
Pittsburgh	582,362	536,655	92.2	35,095	6.0	10,612	1.8	
Portland	335,182	262,646	78.4	68,781	20.5	3,755	1.1	
Cincinnati	398,465	336,246	84.4	54,833	13.8	7,386	1.9	
Sacramento	536,310	453,317	84.5	58,432	10.9	24,561	4.6	
Kansas City	310,789	233,408	75.1	72,945	23.5	4,436	1.4	
Milwaukee	427,620	345,163	80.7	73,834	17.3	8,623	2.0	
Orlando	439,323	376,709	85.7	50,889	11.6	11,725	2.7	
Indianapolis	424,598	368,274	86.7	48,436	11.4	7,888	1.9	
San Antonio	607,860	581,796	95.7	9,596	1.6	16,468	2.7	
Norfolk	112,083	74,572	66.5	33,749	30.1	3,762	3.4	
Las Vegas	631,236	620,500	98.3	2,788	0.4	7,948	1.3	
Columbus	548,655	508,393	92.7	24,992	4.6	15,270	2.8	
Charlotte	362,991	329,498	90.8	21,744	6.0	11,749	3.2	
New Orleans	188,703	147,492	78.2	38,244	20.3	2,967	1.6	
Salt Lake City	438,627	411,283	93.8	10,454	2.4	16,890	3.9	
Greensboro	213,079	187,150	87.8	18,832	8.8	7,097	3.3	
Austin	433,064	395,900	91.4	29,281	6.8	7,883	1.8	
Nashville	285,980	248,866	87.0	31,150	10.9	5,964	2.1	
Raleigh	338,602	272,432	80.5	54,256	16.0	11,914	3.5	
Buffalo	421,809	396,879	94.1	13,884	3.3	11,046	2.6	
Memphis	402,560	383,198	95.2	11,081	2.8	8,281	2.1	
West Palm Beach	475,572	421,811	88.7			53,761	11.3	
Jacksonville	374,292	349,553	93.4	15,944	4.3	8,795	2.3	
Rochester	345,019	328,512	95.2	12,181	3.5	4,326	1.3	
Grand Rapids	284,236	258,699	91.0	15,972	5.6	9,565	3.4	
Oklahoma City	305,058	283,105	92.8	16,390	5.4	5,563	1.8	
Louisville	329,091	303,624	92.3	15,469	4.7	9,998	3.0	

Exhibit 6.3 and 6.4 show the place of work in 1990 and 2000 for workers who lived in the central county. St. Louis, Denver and Norfolk have significant counter-commutes from the central county. As mentioned earlier, St. Louis saw a decline in traditional commutes from central to downtown.

Exhibits 6.5 and 6.6 show the place of work in 1990 and 2000 for workers living in suburban counties.

Exhibit 6.5 Place of Work - Workers Living in Suburban Counties: 1990

Exhibit 6.5 Flace of Work - Workers Living in Suburban Counties: 1990							90	
EMPANYA CONTRACTOR	Work in Central			Work in the Same		Work in another		
7.50	Count	<u> </u>	Suburban County		Suburban County		MSA	
MSA	Number	pct.	Number		Number	pct.	Number	pct
Los Angeles	429,013	15.9	2,040,222	75.7	181,485	6.7	43,075	1.6
Chicago	395,014	25.4	936,279		187,630	12.1	33,748	2.2
Washington, DC	478,418	14.5	1,649,177	49.9	1,126,011	34.1	53,060	1.6
San Francisco	248,517	8.8	2,052,514	72.8	477,256	16.9		
Philadelphia	234,717	10.9	1,354,086	63.2	435,215	20.3	119,986	5.6
Detroit	211,457	14.4	1,002,549	68.1	219,040	14.9		2.6
Dallas	286,827	26.2	703,704	64.3	77,689	7.1	27,032	
Houston	165,639	40.2	224,373	54.4	11,683	2.8		2.6
Atlanta	328,035	26.7	575,032	46.8	292,080	23.8		2.6
Miami	77,285	13.1	471,595	80.2	0	0.0	39,209	6.7
Seattle	150,353	·21.7	499,955	72.0	26,428	3.8	17,216	2.5
Phoenix	8,288	21.0	29,172	73.8	0	0.0	2,062	5.2
Minneapolis	212,741	27.1	382,095	48.8	169,500	21.6	19,380	2.5
Cleveland	146,681	22.1	435,416	65.5	56,574	8.5	25,869	3.9
San Diego						0.0	25,007	3.7
St. Louis	204,594	20.3	603,401	59.9	180,131	17.9	19,398	1.9
Denver	211,991	26.7	419,295	52.7	146,510	18.4	17,548	2.2
Tampa	49,923	9.9	413,211	82.0	27,438	5.4	13,189	2.6
Pittsburgh	102,685	24.0	276,059	64.4	22,977	5.4	26,699	6.2
Portland	139,911	24.4	356,283	62.0	62,955	11.0	15,392	2.7
Cincinnati	150,232	33.8	203,166	45.7	63,651	14.3	27,670	6.2
Sacramento	58,235	28.6	122,931	60.4	4,939	2.4	17,519	8.6
Kansas City	117,574	24.8	257,168	54.3	85,903	18.1	13,127	2.8
Milwaukee	92,738	27.8	205,271	61.6	19,411	5.8	15,883	4.8
Orlando	98,620	38.2	143,569	55.6	4,453	1.7	11,469	4.4
Indianapolis	113,041	39.5	144,145	50.3	14,548	5.1	14,689	5.1
San Antonio	19,499	31.5	32,794	53.0	4,454	7.2	5,176	8.4
Norfolk	106,404	18.0	301,151	51.0	161,415	27.3	21,371	3.6
Las Vegas	7,090	15.8	35,667	79.4	8	0.0		
Columbus	68,171	38.8	93,163	53.0	4,511	2.6	2,132 9,856	4.7
Charlotte	72,408	22.1	213,698	65.2	21,771	6.6		5.6
New Orleans	93,705	27.2	201,095	58.3	38,676	11.2	19,752	6.0
Salt Lake City	27,761	18.5	93,869	62.5			11,295	3.3
Greensboro	48,894	13.4	256,894	70.5	23,574 37,949	15.7	4,896	3.3
Austin	61,094	47.6	57,125	44.5		10.4	20,735	5.7
Nashville	86,320	36.9			2,614	2.0	7,603	5.9
Raleigh	29,535	13.2	126,507	54.1	10,774	4.6	10,433	4.5
Buffalo	24,279		151,082	67.3	26,368	11.8	17,350	7.7
Memphis	39,259	24.7	71,347	72.6	0	0.0	2,613	2.7
West Palm Beach	39,239	49.8	35,675	45.2	621	0.8	3,346	4.2
Jacksonville	45.705	41.4	56.426					
Rochester	45,795	41.4	56,426	51.0	1,017	0.9	7,492	6.8
Grand Rapids	48,348	29.7	94,258	58.0	8,324	5.1	11,715	7.2
	34,096	17.1	134,382	67.4	22,175	11.1	8,676	4.4
Oklahoma City Louisville	77,876	46.1	79,162	46.9	5,154	3.1	6,723	4.0
Louisville	53,506	40.7	57,935	44.0	13,323	10.1	6,833	5.2

Table 6.6 Place of Work - Workers Living in Suburban County: 2000

	Work in Central Work in the same							outside
	Cou		Suburban					
MSA	Number		Number		<u></u>		Number	Percent
Los Angeles	401,891	13.8	2,227,868	76.6	<u> </u>	7.5		
Chicago	438,363	23.7	1,089,013	59.0				2.4
Washington, DC	466,344	13.0	1,742,197		1,301,710	36.4		1.9
San Francisco	252,606	8.4	2,142,434	71.1	572,745	19.0	<u> </u>	1.5
Philadelphia	218,530	9.7	1,400,324	62.4		22.0		5.9
Detroit	217,408		1,095,396			17.9	46,607	2.8
Dallas	415,490	27.9	900,754	60.5		9.1	36,668	2.5
Houston	248,189	43.8	281,767	49.8		3.4	16,672	2.9
Atlanta	422,056		781,566	46.7	421,442	25.2	50,126	3.0
Miami	115,044	15.5	565,812		0	0.0	62,687	8.4
Seattle	206,579	23.9	595,055		39,881	4.6	23,032	2.7
Phoenix	19,918	33.2	35,961	59.9	0	0.0	4,113	6.9
Minneapolis	279,292	28.3	447,345	45.3	233,293	23.6	28,053	2.8
Cleveland	165,970	22.0	482,433	64.1	76,211	10.1	28,284	3.8
San Diego			0			0.0	0	0.0
St. Louis	171,977	15.7	668,062	60.8	236,832	21.6	21,346	1.9
Denver	243,247	22.8	553,431	51.9		22.6		
Tampa	79,551	13.4	460,457	77.6	38,366	6.5	14,830	
Pittsburgh	121,681	25.6	293,844	61.9	33,133	7.0		
Portland	161,221		489,189	63.5	99,616			
Cincinnati	166,695	30.1	250,429	45.3	102,186	18.5		
Sacramento	72,158	27.4	159,780				<u> </u>	
Kansas City	123,876	21.7	315,820	55.4				
Milwaukee	103,336		235,016					·
Orlando	134,969		186,551					¢
Indianapolis	149,319		173,103				·	
San Antonio	32,627							<u> </u>
Norfolk	105,631		316,481					
Las Vegas	14,192		53,423	<u> </u>				
Columbus	101,256				<u> </u>			
Charlotte	106,080			·		-		
New Orleans	90,344							
Salt Lake City	40,276							
Greensboro	60,257	·		·				
Austin	104,838							·}
Nashville	124,026			·			<u> </u>	
Raleigh	54,859		<u> </u>			·}		4
Buffalo	30,691					<u> </u>		
Memphis	54,740					 	 	+
West Palm Beach	64.600	0.0					-	
Jacksonville	64,683							-
Rochester	52,875							
Grand Rapids	42,846	·						
Oklahoma City	89,635					·		
Louisville	65,574	40.1	68,603	41.9	20,937	12.8	8,616	5.3

Case Studies

A more detailed analysis and a longer time frame (going back to the 1970 census or earlier where possible) was used to examine a few MSAs to illustrate different patterns of development and commuting changes. Analyzing these MSAs and the county-to-county worker flow was a challenge, especially from a national perspective. Local knowledge of housing and development patterns, and intricate familiarity with infrastructure and location differences was not available.

These county-level data allow examination of how employment and residential patterns in regions are changing, such as the diffusion or centrality of regional employment centers and residential shifts to outer counties. Because county-size, especially in the Western States, can be very large, county level analysis is limited. The example areas are:

- Atlanta,
- Chicago,
- Portland,
- Minneapolis, and
- Denver

These areas were selected to examine a range of development patterns, growth scenarios, and transit availability. Based on guidance received from local (MPO) planners each of the MSAs was divided into one central county, a few suburban counties, and a few outlying ex-urban counties. To make comparisons relevant and to limit the impact of changing definitions of what is a central county, we picked the same central county as in 1990 for the example areas. This classification scheme offers just one possible way to examine local area flows at the county level, and is shown at the end of this chapter (Exhibit 6.43).

Exhibit 6.7 shows the residential density and percent of zero-vehicle households in the central suburban, and ex-urban counties of the selected areas. Chicago has the highest density in both central and suburban counties, whereas Portland has the lowest in both central and suburban counties.

Exhibit 6.7 Population Density and Percent Households with Zero-Vehicle: 2000

	Population Density			Percent of Households with Zero- vehicles		
	Central	Suburban	Ex-urban	Central	Suburban	Ex-urban
Atlanta	1542.5	770.6	197.1	15.2	5.2	5.2
Chicago	5683.7	914.6	186.8	19.1	5.4	6.1
Denver	3625.1	424.5	45.3	13.9	4.8	5.6
Minneapolis	2003.9	676.4	100.4	10.7	6.8	3.9
Portland	1518.4	302.4	163.6	12.7	5.4	6.6

Like nearly all of the large MSAs the percent of residents in the central county in the example areas declined from 1980 to 2000, while the share of suburban and ex-urban population increased. For these areas, we examined the number of workers living and the number of jobs (workers working) in the central, suburban, and ex-urban areas. As shown in Exhibit 6.8, all five areas had an increase of 6-8 percent in the suburban share of resident workers, suggesting a continued decentralization. In 4 of the 5 MSAs, the suburban worker population accounts for more than half of the total worker population.

Exhibit 6.8 Population and worker distributions in Selected MSAs: 1980 - 2000

e.8 Exhibit 0.8	Population	ation and worker distributions in Selected MSAs. 1980 – 2000					2000	
MSA Name		Workers				Jobs		
		1980	1990	2000	1980	1990	2000	
Atlanta	Area wide	1,033,088	1,542,948	2,060,632	1,011,212	1,583,146	2,120,887	
	Central	24.4	20.4	18.7	43.8	36.1	33.8	
	Suburban	68.9	72.8	73.1	51.6	59.5	61.2	
	Ex-urban	6.7	6.8	8.2	4.6	4.4	4.9	
Chicago	Area wide	3,575,803	3,922,295	4,218,108	3,535,802	3,949,498	4,263,429	
_	Central	63.8	60.4	56.2	69.5	65.1	59.9	
	Suburban	31.8	35.1	38.8	26.9	31.2	36.2	
	Ex-urban	4.4	4.5	5.0	3.6	3.7	3.9	
Denver	Area wide	859,989	1,026,847	1,346,025	843,345	1,038,584	1,366,376	
	Central	28.2	22.5	20.7	46.0	36.4	31.8	
	Suburban	65.6	71.4	72.9	48.8	58.2	63.0	
	Ex-urban	6.1	6.0	6.4	5.2	5.4	5.2	
Minneapolis	Area wide	1,081,772	1,344,797	1,595,550	1,062,619	1,361,205	1,628,481	
	Central	45.0	41.7	38.1	53.4	51.9	49.6	
	Suburban	46.7	49.2	51.0	41.4	42.4	43.8	
	Ex-urban	8.3	9.0	10.9	5.2	5.7	6.7	
Portland	Area wide	704,392	861,141	1,105,133	689,559	860,743	1,107,079	
	Central	37.1	33.3	30.3	50.0	43.9	39.0	
	Suburban	45.5	49.4	52.3	33.7	39.8	45.0	
	Ex-urban	17.4	17.3	17.4	16.3	16.3	16.0	

Exhibit 6.9 lists the worker/job ratio by area type for each of the five areas. In 1980, the calculation of jobs in our analysis are based on the count of workers living and working in the same MSA, while the calculations for 1990 and 2000 reflect all workers working in the MSA regardless of place of residence. This means that a small percent of jobs (ranging from about 1/2 percent to 1 percent) held by workers from outside the region are not included in the 1980 numbers, since the tabulation of all counties in the U.S. to find these workers was beyond the scope of our needs.

The ratio of total jobs to total workers gives an idea of which areas will be importers of commuters, and which will be exporters. If the central area has 500,000 jobs and only 300,000 workers living in the same county we know that a large number of commuters into the county will be needed to fill those jobs.

Of course, not every worker who lives in the central area will be working in the central area, since the pool of jobs in an area may not fit the kind of workers who live there. The kind of workers and kinds of jobs available, as well as the number of jobs and workers in

an area, affect the potential number of commuters between the areas. Understanding which areas are increasing the potential flows in or out and which are in balance between resident workers and jobs is helpful in tracking trends.

Suburban and ex-urban areas have made rapid gains in terms of both the number of jobs and the number of resident workers. Despite this trend, the central county remains a core-commuting destination in Chicago and Minneapolis, but has fewer jobs than suburban areas in Atlanta, Denver, and Portland. In four of the five MSAs the central county grew jobs between 1990 and 2000, but in Chicago the number of jobs remained about the same.

In Chicago, Portland and Denver, the suburban areas attracted more jobs than workers from 1990 to 2000, and the worker flows in those areas, especially Chicago, show a growth in reverse commutes. Between 1990 and 2000, Chicago area saw 40,000 more commutes from the suburbs to the central county (Cook County), but 67,000 more commutes from Cook County to jobs in the suburbs. More detail about the jobs/worker balance is given in the discussion for each area.

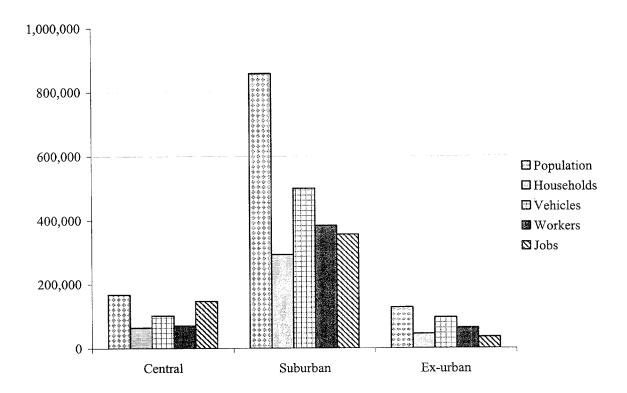
Exhibit 6.9 Jobs (workers by place of work) and Workers (workers by place of residence): 1990-2000

		1990					
MSA	Area	Jobs	Workers	Jobs/ worker Ratio	Jobs	Workers	Jobs/ worker Ratio
Atlanta	Central	571,384	315,366	1.81	717,702	385,442	1.86
	Suburban	942,712	1,123,041	0.84	1,298,680	1,507,084	0.86
	Ex-Urban	69,050	104,541	0.66	104,505	168,106	0.62
Chicago	Central	2,572,353	2,369,624	1.09	2,554,118	2,371,161	1.08
	Suburban	1,232,014	1,377,402	0.89	1,542,547	1,636,219	0.94
	Ex-Urban	145,131	175,269	0.83	166,764	210,728	0.79
Denver	Central	378,315	231,503	1.63	434,201	278,715	1.56
	Suburban	604,344	733,409	0.82	860,563	981,100	0.88
	Ex-Urban	55,925	61,935	0.90	71,612	86,210	0.83
Minneapolis	Central	706,563	561,081	1.26	807,036	607,567	1.33
	Suburban	576,615	662,139	0.87	712,615	814,512	0.87
	Ex-Urban	78,027	121,577	0.64	108,830	173,471	0.63
Portland	Central	377,845	286,600	1.32	431,749	335,182	1.29
	Suburban	342,827	425,521	0.81	498,640	577,719	0.86
	Ex-Urban	140,071	149,020	0.94	176,690	192,232	0.92

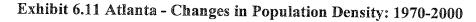
Atlanta

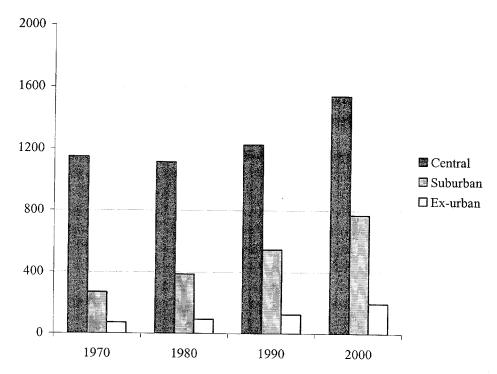
Atlanta illustrates a fast-growing southern city with highway-oriented development and growing diversity. The Atlanta MSA was one of the fastest growing MSA in the country in both workers and population. In the twenty years between 1980 and 2000 it nearly doubled in population from 2.2 million to 4.1 million people. Seventy-eight percent of the population, one and a half million people, went to the suburban counties while 12 and 10 percent more people live in central and ex-urban areas, respectively. Exhibit 6.10 shows the added population, vehicles and workers in the three areas types.

Exhibit 6.10 Atlanta - Added People, Workers, Jobs: 1990-2000



In the last 40 years, the population density of the central county in Atlanta has continued to grow, as has the density of suburban areas. Ex-urban areas have shown a modest increase in density (see Exhibit 6.11).





Not surprisingly, given the immense population and worker growth in Atlanta, travel time for commuters grew dramatically. From 1990 to 2000, workers in Atlanta experienced the highest increase in travel time (5.2 minutes compared to 3.4 minutes in the nation as a whole). From 1980 to 2000, the percent of workers with short commutes reduced drastically in the suburban and ex-urban areas, while the percent of workers with longer commutes increased dramatically in all three areas. In 1980, one in three of the ex-urban workers commuted less than 15 minutes to work, by 2000, one in three workers living in ex-urban areas commuted more than 45 minutes for work.

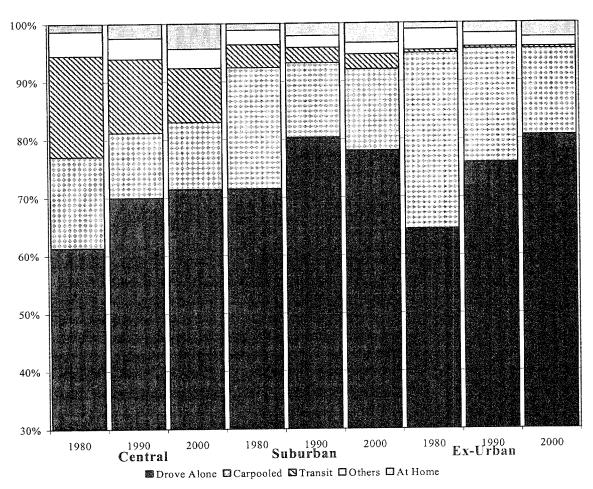
Exhibit 6.12 Atlanta - Short and Long Commutes: 1980-2000

	1	Commutes less than 15 minutes		
	1980	1990	2000	
Central	21.2	21.8	19.8	
Suburban	23.5	20.7	17.7	
Ex-urban	33.5	26.5	20.2	

	Commutes							
	longer than 45 minutes							
į	1980	1990	2000					
	15.8	14.6	19.1					
	15.9	17.4	24.8					
	19.2	23.3	30.4					

From 1980 to 2000 the percent of workers driving alone to work increased irrespective of location of residence (See Exhibit 6.13). However, central county workers in Atlanta are still more likely to use transit than workers in other areas. Another interesting feature in Atlanta has been the slight increase between 1990 and 2000 in the number of central and suburban workers who carpooled to work; and the relative stability of percent of suburban workers using transit for commute. The number and percent of workers who work at home is also on the rise, especially in Fulton County.

Exhibit 6.13 Atlanta - Means of Transportation to Work: 1980-2000



6-15

From 1990 to 2000, the number of workers who worked in the Atlanta MSA grew 31 percent, from 1.6 million to 2.1 million. The central county in Atlanta (Fulton County) added twice as many jobs as workers living in the county. The central county added jobs at twice the pace of resident workers living in the county. However, the suburban counties still added two-thirds of the total jobs added to the MSA between 1990 and 2000.

In the 90s Atlanta added twice as many jobs as workers in the central county, compared to the overall slight increase in jobs over workers. Job growth in suburban counties was high; almost one added job per added resident, whereas ex-urban areas seemed to slow their job growth compared to the growth in population and workers (see Exhibit 6.14).

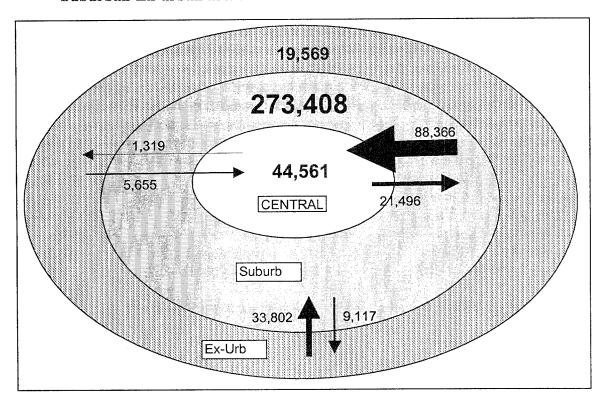
About 94,000 more commuters traveled to the central county in Atlanta in 2000 than in 1990, 88,366 (94 percent) of these new commuters lived in suburban counties and 5,655 (six percent) in ex-urban. The suburban-to-suburban flows grew by over a quarter of a million commuters, and ex-urban-to-suburban commutes rose by 33,802 (see Exhibit 6.15).

Exhibit 6.14 Atlanta - Added Jobs and Workers: 1990 - 2000

	Added Jobs	Added	Newly Added Jobs/Worker
Area-wide	537,741	517,684	1.04
Central	146,318	70,076	2.09
Suburban	355,968	384,043	0.93
Ex-Urban	35,455	63,565	

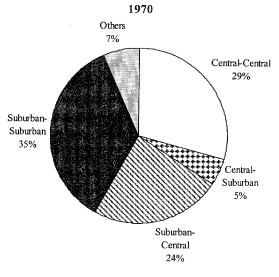
From 1970-2000, one of the biggest changes in the worker flow patterns in Atlanta has been the huge increase in the number and percent of workers commuting between suburban residence and suburban place of work. More than half of the commuting flows are from the suburbs to the suburbs. However, the central county still remains a core commuting destination in 2000, accounting for more than one-third of all worker flows into the region (see Exhibit 6.16).

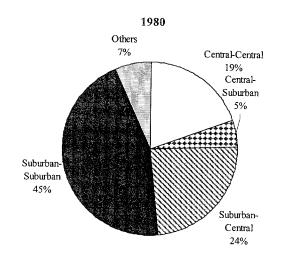
Exhibit 6.15 Atlanta - Changes in Journey to Work Flows Between Central-Suburban-Ex-urban areas in Atlanta: 1990-2000

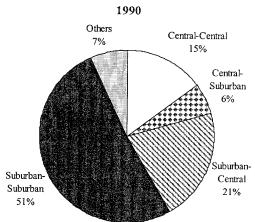


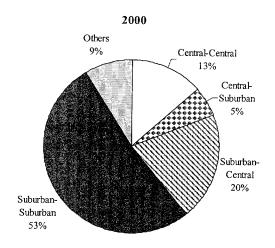
Note: Font sizes and thickness of arrows are approximately sized to represent the magnitude in change of commuter flows.

Exhibit 6.16 Atlanta - Worker Flow by Area Type: 1970-2000







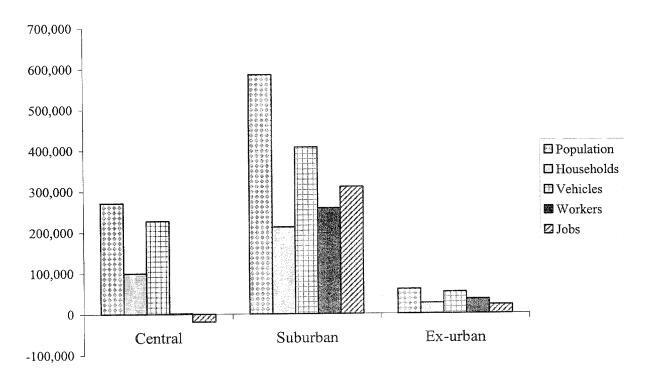


Chicago

Chicago illustrates a medium-growth northern/mid-western city with a traditional development pattern of a strong central core and historic development along rail/transit lines. The population growth in the central county (Cook County) outpaces job growth, much of it coming from new migration.

Nearly a million people were added to the Chicago MSA between 1990 and 2000 (917,720) and, unlike many central counties, Cook County continued to grow in population. Chicago is unique among the five MSAs selected because of its development as a truly central city surrounded by lower density suburbs. Cook County is one of the most highly populated counties in the nation, and is the place of residence for 59 percent of the Chicago MSA population. However, between 1990 and 2000 Cook County accounted for only about one-third of the added population, and only kept its number of workers and actually lost jobs (see Exhibit 6.17).

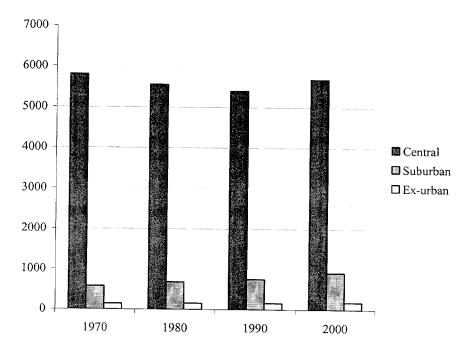
Exhibit 6.17 Chicago - Added Population, Workers, and Jobs: 1990-2000



Added Population, workers, vehicles and households: 1990-2000							
	Population	Households	Vehicles	Workers	Jobs		
Central	271,674	99,547	227,640	1,537	-18235		
Suburban	585,706	212,695	407,533	258,817	310533		
Ex-urban	60,340	25,632	52,582	35,459	21633		
Total	917,720	337,874	687,755	295,813	313,931		

Cook County, the central county in Chicago MSA, has the sixth highest population density (5,572 people/square mile) of all the 49 largest MSAs. The surrounding suburban counties are much less dense, less than one-seventh of the density of Cook County.

Exhibit 6.18 Chicago - Population Density: 1970-2000



Travel time to work in Chicago MSA increased by 3.1 minutes from 1990 to 2000. Similar to all large MSAs the percent of workers with short commutes declined while long commutes increased from 1980-2000, with the suburban and ex-urban areas showing the highest change (see Exhibit 6.19).

Exhibit 6.19 Chicago - Short and Long Commutes: 1980-2000

	t	Commutes less than 15 minutes		
	1980	1990	2000	
Central	20.8	19.8	17.6	
Suburban	31.0	28.1	24.8	
Ex-urban	45.7	42.3	36.3	

Commutes longer than 45 minutes						
1980	1990	2000				
24.2	23.9	27.2				
16.9	18.8	22.5				
7.7	12.3	17.7				

Exhibit 6.20 shows the percent of workers by mode to work from 1980-2000. From 1980 to 2000, percent of workers driving alone to work increased irrespective of location of residence. More than one-fifth of the central county workers still use transit. From 1980 to 2000, carpooling from suburban and ex-urban areas declined substantially.

100% 90% 80% 70% 60% 50% 40% 30% 1990 1980 1990 2000 1980 1990 1980 2000 2000 Central Suburban Ex-Urban ■ Drove Alone Carpooled Transit Others At Home

Exhibit 6.20 Chicago - Means of Transportation to work: 1980 - 2000

Relative to population growth, there was little worker or job growth in the Chicago MSA during the last decade. Most of the job growth took place in the suburban and ex-urban areas. The suburban counties accounted for 99 percent of the added jobs area-wide.

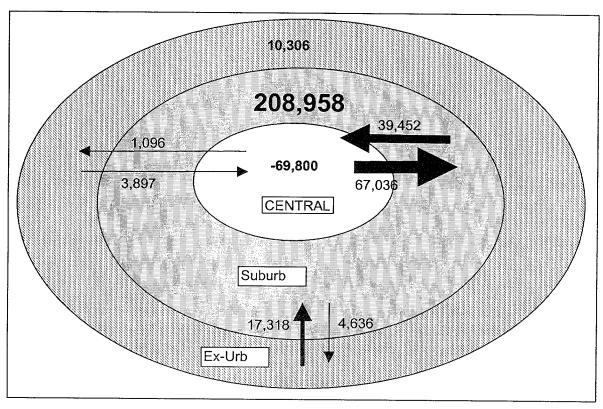
The Chicago MSA overall is adding slightly more jobs than workers, which means some commuters are flowing in from out of the MSA. Chicago gained over 270,000 people but only added 1,500 workers (see Exhibit 6.21). If the population in Cook County is aging and leaving the labor force, and immigrants to the city are younger and have children, then this can be a reasonable result.

Exhibit 6.21 Chicago: Added Jobs and Workers: 1990-2000

i		1	Added Jobs/Worker
Area-wide	313,931	295,813	1.06
Central	-18,235	1,537	-11.86
Suburban	310,533	258,817	1.20
Ex-Urban	21,633	35,459	0.61

The central county lost nearly 70,000 commuters but added nearly the same amount in reverse commutes to the suburban counties. Altogether, commutes to suburban jobs increased by 275,000 workers. The traditional movement from suburban counties to central gained just 43,000 commuters--39,432 from suburban counties and 3,897 from ex-urban counties. Ex-urban counties also sent 17,318 workers to jobs in the suburban areas and received 5,732 commuters from the central and suburban counties (see Exhibit 6.22).

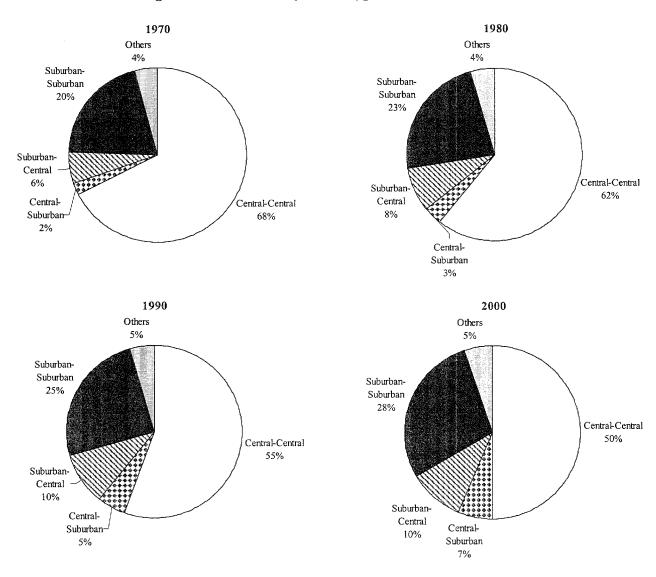
Exhibit 6.22 Chicago - Changes in Journey-to-Work Flows Between Central-Suburban-Ex-urban areas: 1990-2000



Note: Font sizes and thickness of arrows are approximately sized to represent the magnitude in change of commuter flows.

In 1970, Chicago had a traditional pattern of people who lived in the central county and worked in the central county. However, the later decades saw a shift to more suburban-to-suburban and reverse commutes. In 2000, both DuPage and Lake County are no longer just bedroom communities for Cook County. Both now import more commuters than they export. Because DuPage County is geographically centered in the region, it has generally lower average travel time, and a small increase in the travel time from 1990 to 2000, compared to other parts of the region¹.

Exhibit 6.23 Chicago - Worker Flow by Area Type: 1970 - 2000



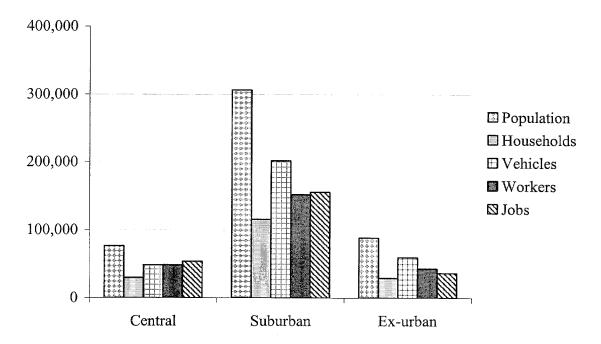
¹ Siim Soot, Joseph DiJohn, Ed Christopher "Chicago-Area Commuting Patterns: Emerging Trends," March 2003

Portland

Portland illustrates a new type of city pattern in the Pacific Northwest, with a strong emphasis on urban growth boundary and encouragement of higher-density development. Unlike the traditional cities of the North and East, the central county of Portland was never a high-density core, similar to Atlanta but only about one-quarter of the density of Cook county in Chicago.

From 1990 to 2000, Portland added close to half a million people to its population base. The suburbs added a major portion of the new population. Unlike any of the other illustrative MSAs, vehicle growth in Portland's central county was modest, just keeping pace with workers. The growth in vehicles outpaced the increase in households and workers in the suburban and ex-urban counties, but not to the degree found in other MSAs. While suburban Portland added 4 vehicles for every three added workers, the central county added one vehicle per added worker.

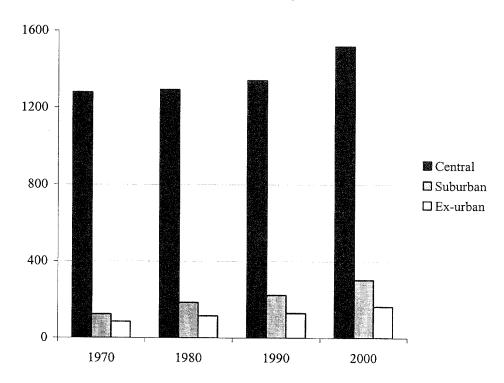
Exhibit 6.24 Portland - Added People, Workers and Jobs: 1990-2000



	Change in numbers from 1990					
	Population	Households	Vehicles	Workers		
Central	76,599	29,778	48,393	48,582		
Suburban	306,517	115,616	201,739	152,198		
Ex-urban	88,631	29,289	59,643	43,212		
Total	471,747	174,683	309,775	243,992		

Exhibit 6.25 shows the population density in Portland from 1970 to 2000. From 1990 to 2000, the population density in the Multnomah County (Central county) rose by about 176 persons per square mile (ppsm), while the suburban density grew by just 79 ppsm. Although the suburbs added most of the new population in the last decade, the Central County gained in density at more than twice the rate of the suburban county. The density in the Central County for 2000 is five times the density in the suburban counties, and more than 9 times the density in the ex-urban counties.

Exhibit 6.25 Portland - Population Density: 1970-2000



The average travel time in Portland MSA increased less than 3 minutes (from 21.5 minutes to 24.4 minutes) in the 90s, the smallest increase of the five selected MSAs. There is a noticeable decrease in the percent of workers with short commutes in the central and ex-urban counties from 1980 to 1990 when compared to 1980 to 1990. Percent of longer commuters increased in all three areas (see Exhibit 6.26).

Exhibit 6.26 Portland - Short and Long Commutes: 1980-2000

	Commutes less than 15 minutes			
	1980	1990	2000	
Central	29.6	29.2	25.5	
Suburban	30.9	28.9	26.0	
Ex-urban	43.2	40.3	33.8	

Comm than 4	utes lo 5 min	١
1980	1990	2000
7.5	8.0	10.8
10.5	10.1	13.2

Exhibit 6.27 shows the percent of workers by mode to work from 1980 to 2000. Portland is the one of the few large MSAs that showed an increase in percent of workers using transit from 1990 to 2000. Both central and suburban areas showed an increase in transit while the ex-urban areas showed an increase in drove alones. Portland's light rail system, MAX, was just in its infancy in 1990. The length of fixed guideway directional route was 30.2 miles in 1990, compared to 65 miles in 2000. Rail revenue hours have tripled (300 percent increase) between 1990 and 2000, while bus revenue hours have increased only 30 percent. This investment in transit may be the reason transit commutes increased during the 90s.

Portland is also one of the few MSAs that had significant growth in work at home in all area types, not just the central county. Possibly the type of employment, the size, or the proportion of telecommuters made this area different than other MSAs.

90% 80% 70% 60% 50% 40% 30% 2000 1980 Ex-Urban 2000 1990 1980 Suburban 1980 Central

Exhibit 6.27 Portland – Means of Transportation to Work: 1980-2000

☐ Drove Alone ☐ Carpooled ☐ Transit ☐ Others ☐ At Home

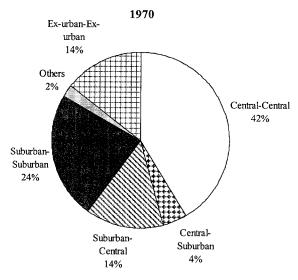
The proportion of job growth that went to the suburban counties was the lower in Portland than the other example areas—just over 60 percent of the added jobs and workers for the entire MSA went to suburban areas, whereas 22 percent went to the central county. There is a balance of added jobs per added worker in all three area types not seen in the other MSAs that have been examined (see Exhibit 6.28).

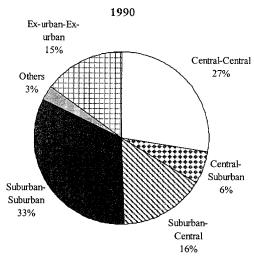
Exhibit 6.28 Portland: Added Jobs and Workers: 1990-2000

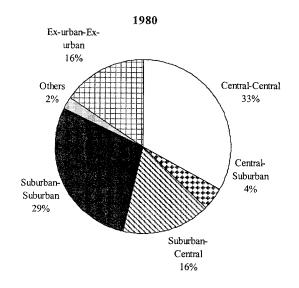
	Added	Added	Added
	Jobs	Workers	Jobs/Worker
Portland	246,336	243,992	1.01
Central	53,904	48,582	1.11
Suburban	155,813	152,198	1.02
Ex-Urban	36,619	43,212	0.85

From 1970 to 2000, the percent of central-to-central county flows in Portland decreased by more than 5 percent every decade, whereas the suburban-to-suburban flows increased about 5 percent every decade. The change in other commute patterns remained more or less steady in terms of percent of all worker flows into or out of central, suburban, and ex-urban counties. Exhibit 6.29 shows the proportion of workers by their commute flows from 1970 - 2000.

Exhibit 6.29 Portland –Worker Flows by Area Type: 1970-2000







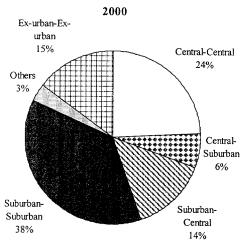
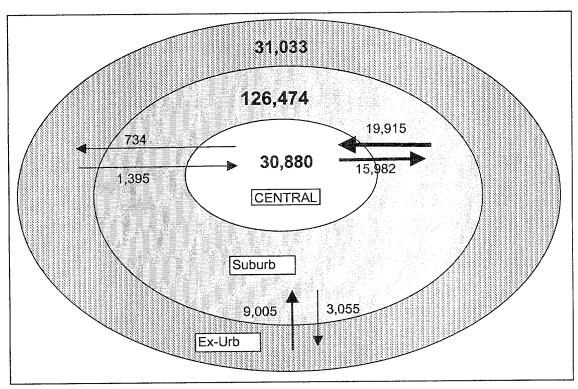


Exhibit 6.30 shows the change in worker flows from 1990 to 2000. The biggest increase in commutes was for suburban-to-suburban counties, even though the increase is not as dramatic as Chicago or Atlanta.

Exhibit 6.30 Portland - Changes in Journey-to-Work Flows Between Central-Suburban-Ex-urban areas: 1990-2000



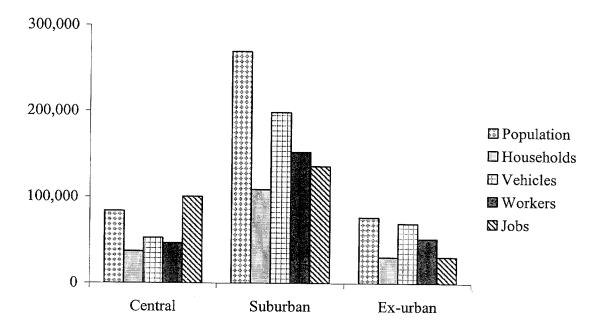
Note: Font sizes and thickness of arrows are approximately sized to represent the magnitude in change of commuter flows.

Minneapolis

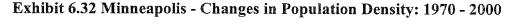
The population of the Minneapolis MSA increased from 2.2 million in 1980 to 3.0 million in 2000 (a 35 percent increase). In 1980, 49 percent of the population in Minneapolis was workers, by 2000, 52 percent of the area population were in the workforce.

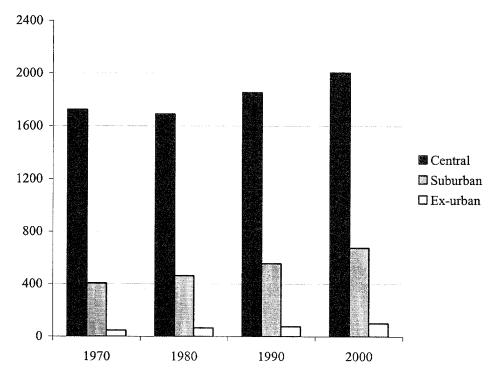
The central county in the Minneapolis MSA (Hennepin County was selected to represent the central county, although significant employment is found in the close-in suburban counties.) Because St. Paul portion of the MSA is located in Ramsey county (selected as suburban county), a significant portion of the population in the MSA will appear to be suburban. Exhibit 6.31 shows the added population, households, and workers from 1990 to 2000.

Exhibit 6.31 Minneapolis - Added People, Workers and Jobs: 1990-2000



The central county in Minneapolis has experienced increasing density, especially since 1980, while the suburban and ex-urban counties have showed a steady increase in population density (see Exhibit 6.32).





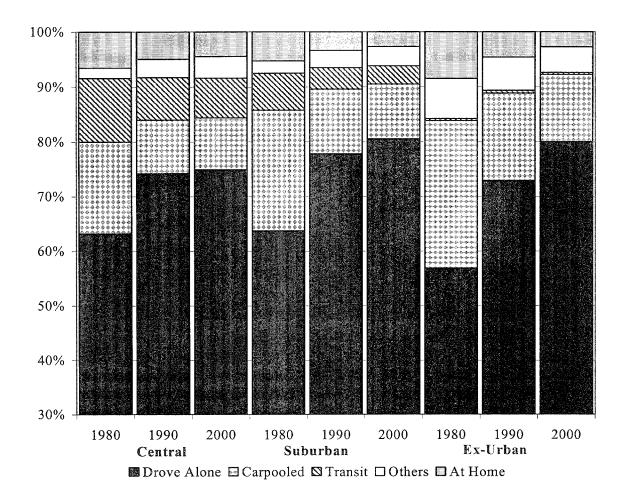
One astounding characteristic of the commute patterns for Minneapolis area is the percent of workers with very long commutes. A high proportion of workers who live in ex-urban areas commuted more than 45 minutes—one out of five in 1980 and one out of four in 2000. This percentage is greater than for any of our example areas except Atlanta, where 30 percent of the ex-urban workers had long commutes. These data indicate a very wide commuter shed for the Minneapolis region.

Exhibit 6.33 Minneapolis - Short and Long Commutes: 1980-2000

	Commutes le	ss than 15 m	inutes		s Longer tha Minutes	n 45
	1980	1990	2000	1980	1990	2000
Central	31.5	28.9	26.2	5.8	5.8	7.4
Suburban	32.7	28.8	26.1	7.1	7.6	10.5
Ex-urban	40.9	34.1	28.6	20.0	21.8	25.2

About 75 percent of the workers who live in the central drove alone share, which may have stabilized, whereas workers in suburban and ex-urban counties continue to increase the share of drove alone (see Exhibit 6.34).

Exhibit 6.34 Minneapolis: Means of Transportation to Work: 1980 – 2000



The worker flow data shows that the ex-urban to ex-urban flows are greater in Minneapolis than in other areas, 18.8 thousand more workers live and work in ex-urban areas, and 14.4 thousand more live in ex-urban areas and commute to suburban counties (see Exhibit 6.35 and 6.36).

Exhibit 6.35 Minneapolis - Worker Flows by Area Type: 1970 - 2000

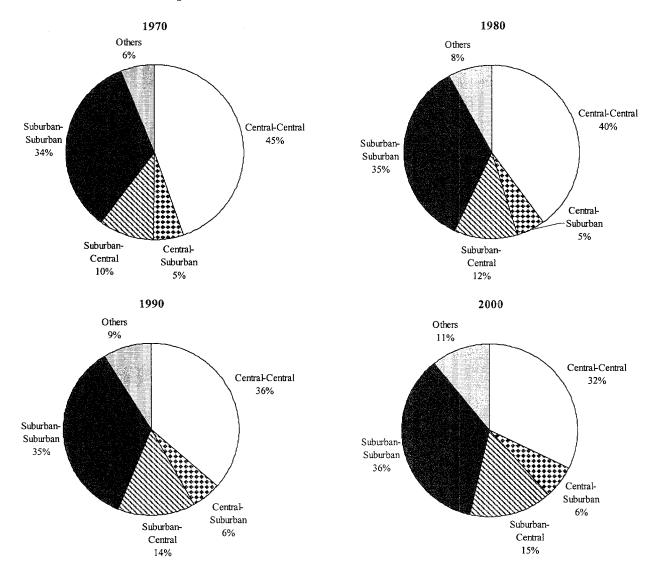
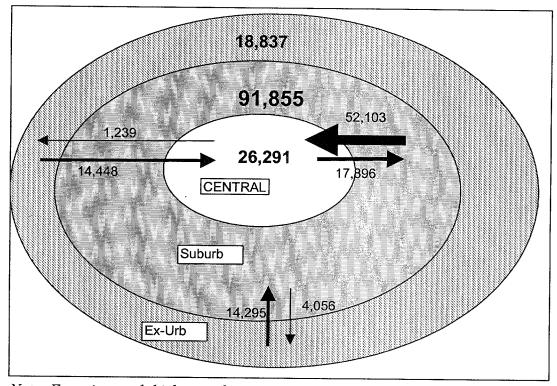


Exhibit 6.36 Minneapolis - Changes in Journey-to-Work Flows Between Central-Suburban-Ex-urban areas: 1990-2000

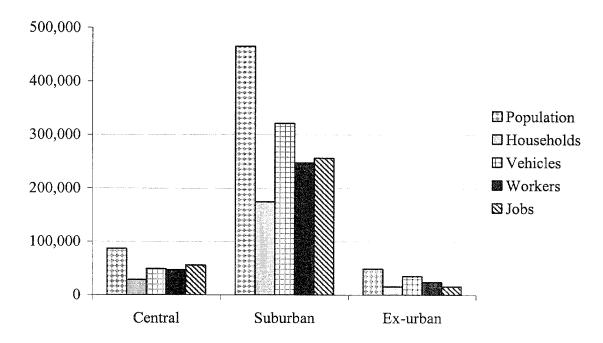


Note: Font sizes and thickness of arrows are approximately sized to represent the magnitude in change of commuter flows.

Denver

Denver is a fast-growing western city with low-density development and a proportionately burgeoning ex-urban area. The Denver MSA added over 300,000 jobs and workers between 1990 and 2000, half the amount of the added population of 600,000 people. Seventy-eight percent of the added jobs went to suburban counties, and another 17 percent to central (see Exhibit 6.37).

Exhibit 6.37 Denver - Added People, Workers, and Jobs: 1990-2000



	Added	Added	Added
Denver	Jobs	Workers	Jobs/Worker
Area-Wide	327,792	319,178	1.03
Central	55,886	47,212	1.18
Suburban	256,219	247,691	1.03
Ex-Urban	15,687	24,275	0.65

After decades of decline, the central county in Denver showed an increase in density between 1990 and 2000 (see Exhibit 6.38). The suburban areas show a small increase in density, and the ex-urban areas are sparsely populated.



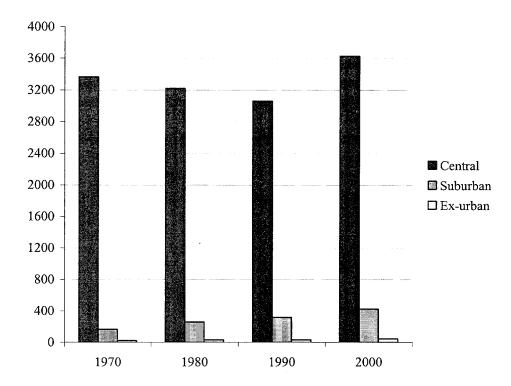
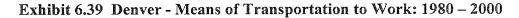
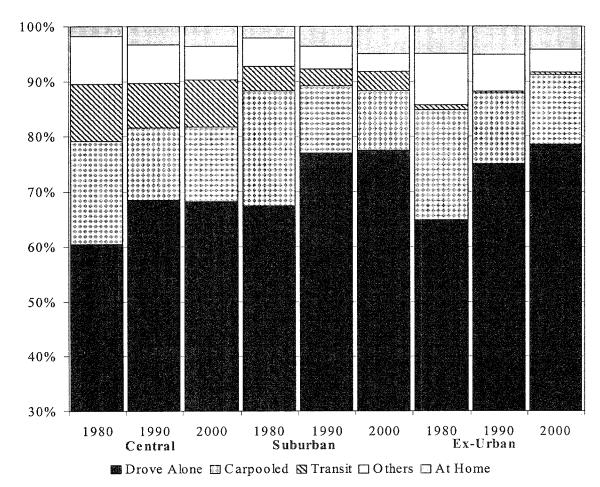


Exhibit 6.39 shows the percent of workers by mode to work from 1980 to 2000. The percent of workers who drove alone to work increased appreciably across all areas from 1980-1990 at the expense of carpools. From 1990 to 2000, the mode shares remained almost the same across the region.





Compared to the four other example areas, workers in Denver tend to have shorter commutes, with only 14 percent of workers in ex-urban counties commuting more than 45 minutes (compared to 30 percent in Atlanta and 25 percent in Minneapolis). The overall change in workers with short and long commutes has remained rather steady since 1980.

Exhibit 6.40 Denver - Short and Long Commutes: 1980-2000

	Commutes less than 15 minutes			Commutes Longer than 45 Minute		
	1980	1990	2000	1980	1990	2000
Central	29.1	28.7	24.6	6.1	7.0	11.6
Suburban	26.5	26.2	22.7	10.1	10.2	15.1
Ex-urban	47.4	46.0	36.4	9.9	10.0	13.7

The biggest change in Denver since the 1970s has been the huge increase in the suburban-to-suburban commutes by workers (see Exhibit 6.41). Since 1990, over 200,000 more workers who live in the suburban counties commute to jobs in the suburban counties (Exhibit 6.42).

Exhibit 6.41 Denver – Worker Flows by Area Type: 1970-2000

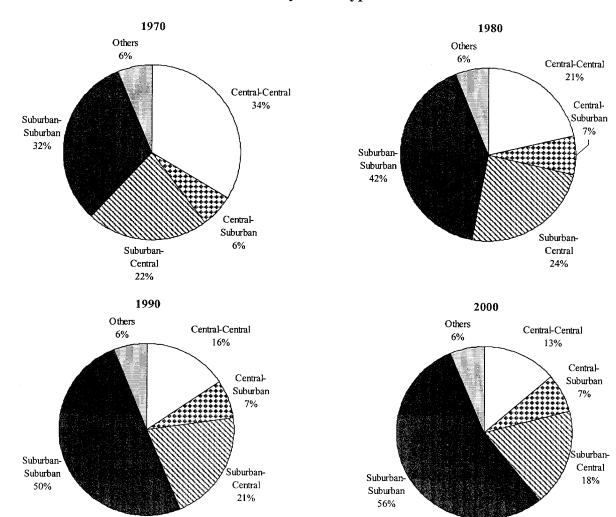
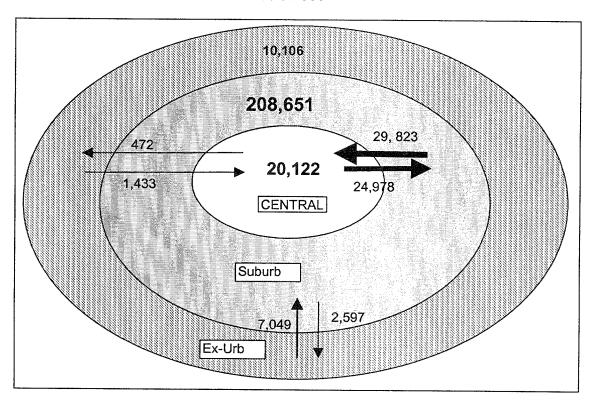


Exhibit 6.42 Denver - Changes in Journey-to-Work Flows Between Central-Suburban-Ex-urban areas: 1990-2000



Note: Font sizes and thickness of arrows are approximately sized to represent the magnitude in change of commuter flows.

Exhibit 6.43 County Classifications for 5 Selected MSAs

MSA Name	County Name	Flag
WIOA Name	Barrow County	Ex-urban
	Bartow County	Ex-urban
	Carroll County	Suburban
	Cherokee County	Suburban
		Suburban
	Clayton County	Suburban
	Cobb County	
	Coweta County	Suburban
	DeKalb County	Suburban
	Douglas County	Suburban
Atlanta GA MSA	Fayette County	Suburban
Atlanta, GA MSA	Forsyth County	Suburban
	Fulton County	Central
	Gwinnett County	Suburban
	Henry County	Suburban
	Newton County	Ex-urban
	Paulding County	Ex-urban
	Pickens County	Ex-urban
	Rockdale County	Suburban
	Spalding County	Suburban
	Walton County	Ex-urban
	Cook County	Central
	DeKalb County	Ex-urban
	DuPage County	Suburban
	Grundy County	Ex-urban
	Kane County	Suburban
ChicagoGaryKenosha, ILINWI	Kendall County	Ex-urban
CMSA	Lake County	Suburban
CIMSA	McHenry County	Suburban
	Will County	Suburban
	Lake County	Suburban
	Porter County	Suburban
	Kankakee County	Ex-urban
	Kenosha County	Ex-urban
	Denver County	Central
	Boulder County	Suburban
		Suburban
D 11 C 1 CO CMA	Adams County	
DenverBoulderGreeley, CO CMSA	Arapahoe County	Suburban
	Douglas County	Suburban
	Jefferson County	Suburban
	Weld County	Ex-Urban
	Anoka County, MN	Suburban
	Carver County, MN	Suburban
	Chisago County, MN	Ex-urban
	Dakota County, MN	Suburban
	Isanti County, MN	Ex-urban
	Ramsey County, MN	Suburban
MinneapolisSt. Paul, MNWI MSA	Scott County, MN	Suburban
	Sherburne County, MN	Ex-urban
	Washington County, MN	Suburban
	Wright County, MN	Ex-urban
	Pierce County, WI	Ex-urban
	St. Croix County, WI	Ex-urban
	Hennepin County, MN	Central
	Clackamas County, OR	Suburban
	Columbia County, OR	Suburban
	Multnomah County, OR	Central
Dowtland Colors OD WA CACA	Washington County, OR	Suburban
PortlandSalem, ORWA CMSA	Yamhill County, OR	Ex-urban
	Clark County, WA	Suburban
	Marion County	Ex-urban

Chapter 7

BACKGROUND INFORMATION FOR DATA USED IN THIS REPORT

The decennial Census is a vital source of information on the commuting characteristics of the nation. For the last 40 years the Census has consistently collected information on:

- Demographic characteristics such as population, households, workers, and vehicles
- Economic characteristics such as income, earnings, and poverty
- Journey to work information such as travel time to work, departure time, mode, and vehicles available

These data allows us to track trends and identify changes in commuting behavior, to link demographic characteristics of households and workers to mode of travel to work, vehicle availability, and other related characteristics of U.S. commuters. We also obtain geographic flows of workers from place of residence to place of work.

The analysis in this report addresses the trends in the nation, the states, and in the 49 largest Metropolitan Statistical Areas (MSAs) which are those with a population of over one million residents. MSA-level analysis includes the Census years 1980, 1990 and 2000 (the geographic changes to metropolitan areas complicates the trends prior to 1980). Between 1980 and 1990 six metro areas were added to the largest group of those over one million in population. Between 1990 and 2000 ten areas were added to the largest group.

Sources and Limitations of the Data

All of the demographic and travel data presented in this report are from the U.S. decennial census, unless otherwise indicated. Even though the census collected these data, changes in methods, geography and coding in the decades between 1960 and 2000 may inhibit direct comparison of the data.

Changes in Geography

The United States Office of Management and Budget (OMB) defines metropolitan areas (MAs) according to published standards that are applied to Census Bureau data. The general concept of an MA is that of a core area containing a large population nucleus, together with adjacent communities having a high degree of economic and social integration with that core. MAs in this report are based on application of 1990 standards (which appeared in the Federal Register on March 30, 1990) to 1990 decennial census data and to subsequent Census Bureau population estimates and special census data. This report uses the June 30, 1999 definition of MAs (new definitions were published by OMB on June 3, 2003, but are not used in this report). A metropolitan area is called a Consolidated Metropolitan Statistical Area (CMSA) if it meets requirements of an MSA,

has a population of 1 million or more, if the component areas are recognized as primary metropolitan statistical areas (PMSA), and if local opinion favors the designation. For example, the Washington, D.C. CMSA incorporates the Washington, D.C. PMSA, Baltimore, MD PMSA, and Hagerstown, MD PMSA.

Metro Area Definitions for all data (except 1990 Median income, and 1990 Median age) for the Census years 1980, 1990, and 2000 will use the June 1999 definitions of MSAs; therefore comparisons will be valid and straightforward. 1990 Median age and 1990 median income values are based on Census Bureau's published values using June 30, 1993 definition of MSAs.

The 1990 data for MSAs were prepared using county level data from 1990 Summary File 3 files, and then aggregating the data for 1999 geographic definitions: Central Counties are the same as those defined in the 1990 Journey to Work Trends Report. That report included a designated central county for 39 metropolitan areas. For the ten MSAs that were not included in the 1990 report, ONE County was selected based on the primary downtown area.

For the New England area counties are not a basic geographic component. When possible we use NECMAs, or county-based metro areas, and the central county is designated as central county when the NECMA has a city designated as central city in it. Making the geography as comparable as possible is done on a case-by-case basis for the New England area.

For more information on the June 30, 1999 definition for MSA geography, please refer to the Census Bureau website at:

http://www.census.gov/population/www/estimates/metroarea.html

Mode to Work

Public transportation (transit) includes bus or trolley bus, streetcar or trolley car, subway or elevated, railroad, ferryboat, and taxicab.

Travel Time to Work

In the 1990 Census (including the CTPP data), the maximum travel time assigned to any worker was 99 minutes. Workers who reported travel times of 100 minutes or more were coded to 99 minutes in 1990. The maximum travel time was increased to 200 minutes for Census 2000, thus the 2000 data are more accurate because they include the actual value for these long trips. The impact of this coding change is that increases in travel time between 1990 and 2000 are somewhat over-stated. At the national level, the Census Bureau estimates that about 29% (0.9 minutes) of the 3.1-minute increase in average travel time is attributable to the coding change.

The state-wide difference between the average travel time for workers for 2000 for top codes of 99 minutes and 200 minutes is anywhere from 0.7 to 1.7 minutes (the State of Louisiana). Nationally, average travel time is 24.6 minutes using a top code of 99 minutes. That means the national average of reported travel time increased by 2.2 minutes from 1990, rather than 3.1 minutes.

The story of increasing commute time in the last decade remains the same, regardless of the issue of coding changes. From 1980 to 1990, 9 states and the District of Columbia showed a decrease in average travel time and of the remaining 41 states only 12 showed an increase in average travel time over one minute. Using the same top code in 2000 (99 minutes), every state showed an increase in travel time of more than one minute.

Number of jobs, Employed persons, and Workers at work

In examining decennial-census based counts of workers, it is important to understand definitional differences between workers and employed population and the differences between total employment (jobs) and workers-at-work. A general rule-of-thumb should be that total employment should be 7 to 9 percent higher than the Census 2000 count of workers- at- work. Two percent of the difference can be attributed to weekly absenteeism (see Item 2a), and six percent of the difference can be attributed to workers with multiple jobs (see Item 2c). These are general estimates based on national figures, and the exact measures for each MSA may be different.

1. Employed persons versus Workers-at-work

"Workers," as used in Journey-to-work and CTPP, refers to all those persons 16 years or older who were at-work in the reference week (including people in the Armed Forces).

"Employed" is defined as all persons 16 years or older who were:

- a. At work (except in the Armed Forces).
- b. With a job but not at work for the whole week (due to illness, personal businees, vacation etc.)

The Census Bureau considers the terms "employed" and "civilian employed" as exactly the same. People who volunteered to work (without pay), and people who worked for the armed forces are excluded from "Employed."

Exhibit 7.1 shows all persons 16 years of age and older, workers, total workers, civilian employed population, and people working in the armed forces for the nation from the decennial Census.

Exhibit 7.1 Employed population versus Workers: 2000

Category	United States
Total Population: 16 years or older	217,168,077
Total population in the labor force	138,820,935
Total Workers	128,279,228
Civilian Employed	129,721,512
Armed Forces	1,152,137
Civilian Employed + Armed Forces	130,873,649

2. Reconciling Total Employment (jobs) and Workers-at-work

The decennial census based data for workers are derived from the long form question, "At what location did this person work LAST WEEK?"

If the person worked at more than one location they are instructed to print where they worked most last week. Thus, these data are tagged to a particular reference week. People are not being asked their usual workplace location. Also, the Census asks for ONLY ONE job. People with multiple jobs can write in information about only one job on the Census form.

There are three main adjustments that are needed to make TOTAL EMPLOYMENT (JOBS) data comparable to census workers-at-work data:

a. Weekly absenteeism adjustments

The Census reports only workers (full-time or part-time) who worked in any time during the week prior to the survey. An adjustment must be made to reflect workers who may not work every day or who may not go to work on an occasional day due to illness, vacation, personal business or other reasons. The FHWA publication "Transportation Planner's Handbook on Conversion Factors for the Use of Census Data" notes that studies by local agencies suggest that the typical WEEKDAY absenteeism factor is in the range of 15-20 percent.

One way to calculate absenteeism for you area is to compare the values for "Civilian Employed" + "Armed Forces" with "Total Workers."

Absenteeism factor = $\underline{\text{(Civilian Employed + Armed Forces)} - \text{Total Workers}}^*100}$ Total Workers

Using the values from Table 1, the national average for WEEKLY absenteeism is about 2 percent. This procedure can be used to calculate weekly absenteeism factors for all geographies (eg: state, county, place, tract, or block group).

b. Seasonal fluctuations in employment adjustments

Both the labor force, and employment opportunities fluctuate with different seasons. The decennial census does not measure any "typical" week in the year – the reference week may be anytime between March-April 2000.

c. Multiple jobholding adjustments

In May 2001, 7.8 million persons worked at multiple jobs in the United States, a figure representing 5.7 percent of all workers¹. The percent of workers holding multiple jobs varies based on geographic location, cost of living etc.

¹ US DOL, Bureau of Labor Statistics Publication "Labor month in review" Vol. 125, No.11, November 2002.

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Journey to Work Profiles for Large Metropolitan Areas

Important Notes:

Large Metropolitan areas are defined as MSAs with population greater than one million.

Geography used: The United States Office of Management and Budget (OMB) defines metropolitan areas (MAs) according to published standards that are applied to Census Bureau data. The general concept of an MA is that of a core area containing a large population nucleus, together with adjacent communities having a high degree of economic and social integration with that core. MAs in this report are based on application of 1990 standards (which appeared in the Federal Register on March 30, 1990) to 1990 decennial census data and to subsequent Census Bureau population estimates and special census data. This report uses the June 30, 1999 definition of MAs (new definitions were published by OMB on June 3, 2003, but are not used in this report). A metropolitan area is called a Consolidated Metropolitan Statistical Area (CMSA) if it meets requirements of an MSA, has a population of 1 million or more, if the component areas are recognized as primary metropolitan statistical areas (PMSA), and if local opinion favors the designation. For example, the Washington, D.C. CMSA incorporates the Washington, D.C. PMSA, Baltimore, MD PMSA, and Hagerstown, MD PMSA.

For both the 1990 and 2000 data items included in this profile (except 1990 Median income, and 1990 Median age) all the values are adjusted for the geographic definition of MSAs as on June 30, 1999. For more information on the June 30, 1999 definition for MSA geography, please refer to the Census Bureau website at:

http://www.census.gov/population/www/estimates/metroarea.html

Adjusted geography for 1990 data: 1990 data for MSAs were prepared using county level data from 1990 Summary File 3 files, and then aggregating the data for 1999 geographic definitions.

1990 Central County: Central Counties are the same as those defined in the 1990 Journey to Work Trends Report. For the MSAs that were not included in the 1990 report, ONE county was selected based on the primary downtown area.

Median Age and Median Income: 1990 Median age and 1990 median income values are based on Census Bureau's published values using June 30, 1993 definition of MSAs.

Mode to Work: Public transportation (transit) includes bus or trolley bus, streetcar or trolley car, subway or elevated, railroad, ferryboat, and taxicab.

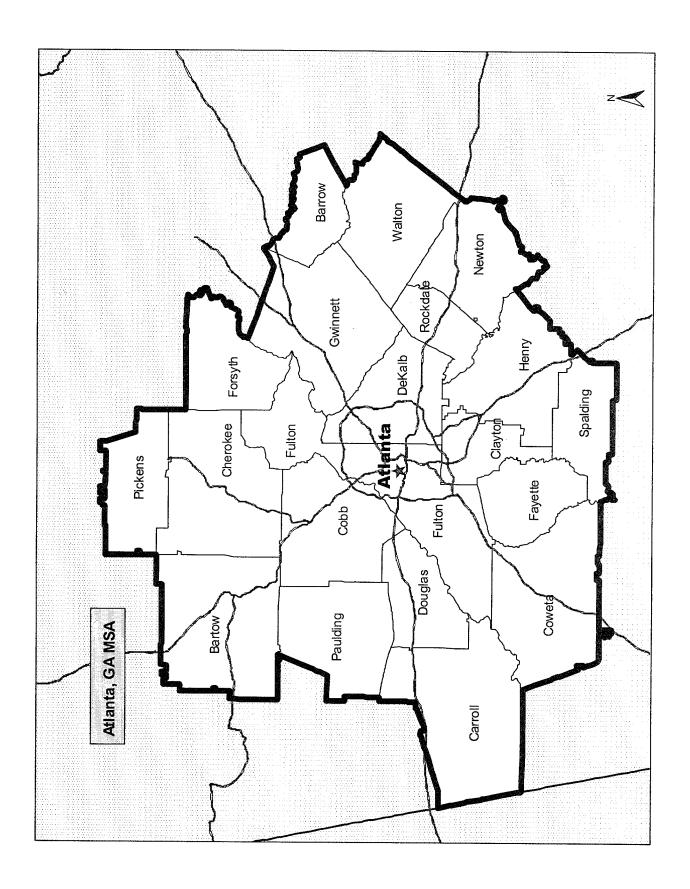
Travel Time to Work – Top Coding issues: In the 1990 Census (including the CTPP data), the maximum travel time assigned to any worker was 99 minutes. Workers who reported travel times of 100 minutes or more were coded to 99 minutes in 1990. The maximum travel time was increased to 200 minutes for Census 2000, thus the 2000 data are more accurate because they include the actual value for these long trips. The impact of this coding change is that increases in travel time between 1990 and 2000 are somewhat over-stated. At the national level, the Census Bureau estimates that about 29% (0.9 minutes) of the 3.1-minute increase in average travel time is attributable to the coding change.

Table 1: Listing of Metropolitan Areas With Population of Over One Million Inhabitants in 2000

Table 1:	: Listing of Metropolitan Areas With Population of Over One Million		
No.	Metropolitan Area	2000 Population	Page No.
	National Summary Statistics		P-3
1	Atlanta, GA MSA	4,112,198	P-5
2	AustinSan Marcos, TX MSA	1,249,763	P-7
3	BostonWorcesterLawrence, MANHMECT CMSA	5,819,100	P-9
4	BuffaloNiagara Falls, NY MSA	1,170,111	P-11
5	Charlotte-GastoniaRock Hill, NCSC MSA	1,499,293	P-13
6	ChicagoGaryKenosha, ILINWI CMSA	9,157,540	P-15
7	CincinnatiHamilton, OHKYIN CMSA	1,979,202	P-17
8	ClevelandAkron, OH CMSA	2,945,831	P-19
9	Columbus, OH MSA	1,540,157	P-21
10	DallasFort Worth, TX CMSA	5,221,801	P-23
11	DenverBoulderGreeley, CO CMSA	2,581,506	P-25
12	DetroitAnn ArborFlint, MI CMSA	5,456,428	P-27
13	Grand RapidsMuskegonHolland, MI MSA	1,088,514	P-29
14	GreensboroWinston-SalemHigh Point, NC MSA	1,251,509	P-31
15	Hartford, CT MSA	1,183,110	P-33
16	HoustonGalvestonBrazoria, TX CMSA	4,669,571	P-35
17	Indianapolis, IN MSA	1,607,486	P-37
18	Jacksonville, FL MSA	1,100,491	P-39
19	Kansas City, MOKS MSA	1,776,062	P-41
20	Las Vegas, NVAZ MSA	1,563,282	P-43
21	Los AngelesRiversideOrange County, CA CMSA	16,373,645	P-45
22	Louisville, KYIN MSA	1,025,598	P-47
23	Memphis, TNARMS MSA	1,135,614	P-49
24	MiamiFort Lauderdale, FL CMSA	3,876,380	P-51
25	MilwaukeeRacine, WI CMSA	1,689,572	P-53
26	MinneapolisSt. Paul, MNWI MSA	2,968,806	P-55
27	Nashville, TN MSA	1,231,311	P-57
28	New Orleans, LA MSA	1,337,726	P-59
29	New YorkNorthern New JerseyLong Island, NYNJCTPA CMSA	21,199,865	P-61
30	NorfolkVirginia BeachNewport News, VANC MSA	1,569,541	P-63
31	Oklahoma City, OK MSA	1,083,346	P-65
32	Orlando, FL MSA	1,644,561	P-67
33	PhiladelphiaWilmingtonAtlantic City, PANJDEMD CMSA	6,188,463	P-69
34	PhoenixMesa, AZ MSA	3,251,876	P-71
35	Pittsburgh, PA MSA	2,358,695	P-73
36	PortlandSalem, ORWA CMSA	2,265,223	P-75
37	ProvidenceFall RiverWarwick, RIMA MSA	1,188,613	P-77
38	RaleighDurhamChapel Hill, NC MSA	1,187,941	P-79
39	Rochester, NY MSA	1,098,201	P-81
40	SacramentoYolo, CA CMSA	1,796,857	P-83
41	Salt Lake CityOgden, UT MSA	1,333,914	P-85
42	San Antonio, TX MSA	1,592,383	P-87
43	San Diego, CA MSA	2,813,833	P-89
44	San FranciscoOaklandSan Jose, CA CMSA	7,039,362	P-91
45	SeattleTacomaBremerton, WA CMSA	3,554,760	P-93
46	St. Louis, MOIL MSA	2,603,607	P-95
40 47	TampaSt. PetersburgClearwater, FL MSA	2,395,997	P-97
48	Washington-Baltimore, DCMDVAWV CMSA	7,608,070	P-99
46 49	West Palm BeachBoca Raton, FL MSA	1,131,184	P-101
~r./	TOOL 2 dilli Doubli Dood Matori, 1 D Milot	1,151,104	1 101

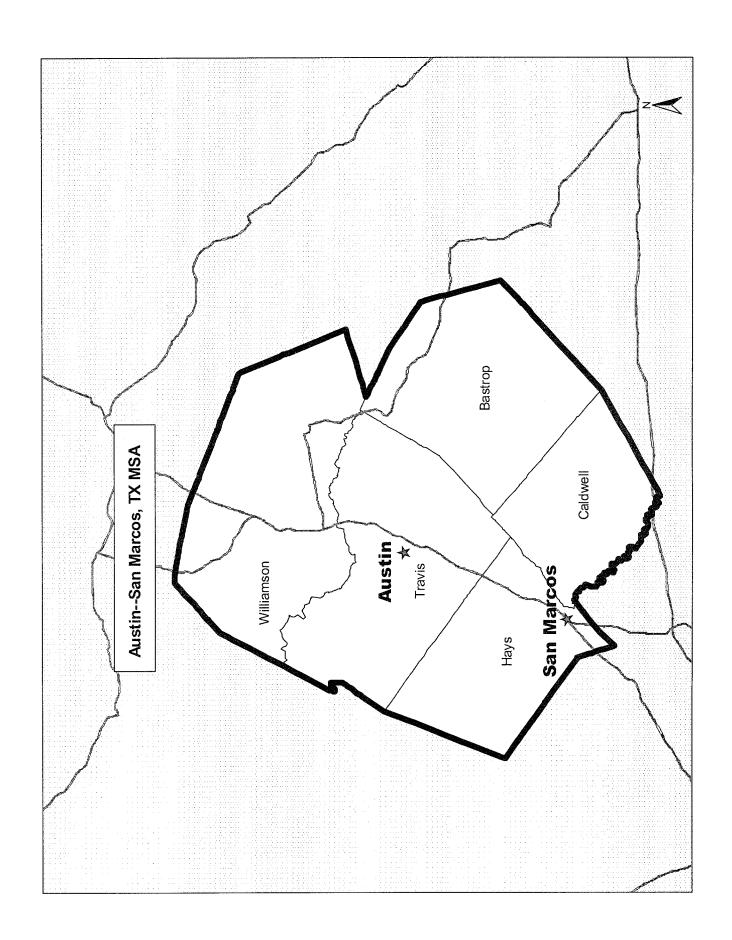
Journey to Work Profile: National Summary Statistics (2000)

		T. 15.		Yanaman da Wanta ba NA	do	
Demographics and Land Area		Travel Time		Journey to Work by Mode		
Area Population	281,421,906	Mean (in minutes)		National	75 70	
% Inside 49 Metro Areas	57.39	Originating in:		% Drive Alone	75.70	
% Remainder of Nation	42.61	Nation	25.50	% Carpooled	12.19	
% Urban	79.01	49 Metro Areas	27.90	% Public Transit	4.73	
% Rural	20.99	Remainder of Nation	22.40	% Walk	2.93	
				% Bicycle	0.38	
Total Households	105,539,122			% Other	0.81	
Persons Per Household	2.59	Commute Length		% Work at Home	3.26	
Median Household Income		National		Inside 49 Metro Areas		
Nationwide	\$41,994	% Less Than 15 Minutes	28.44	% Drive Alone	73.56	
		% 15 - 29 Minutes	34.93	% Carpooled	11.80	
		% 30 - 39 Minutes	15.26	% Public Transit	7.40	
		% 40 - 59 Minutes	10.39	% Walk	2.87	
National Age Characteristes	;	% 60 Minutes or More	7.72	% Bicycle	0.40	
Median Age	35.30	% At Home	3.26	% Other	0.78	
% 14 Years or Less	21.40	Inside 49 Metro Areas		% Work at Home	3.18	
% 65 Years or More	12.40	% Less Than 15 Minutes	22.73			
		% 15 - 29 Minutes	34.74	Remainder of Nation		
Square Miles		% 30 - 39 Minutes	17.49	% Drive Alone	78.70	
National Total	3,536,338	% 40 - 59 Minutes	12.69	% Carpooled	12.73	
% Inside 49 Metro Areas	10.88	% 60 Minutes or More	9.17	% Public Transit	0.96	
% Remainder of Nation	89.12	% At Home	3.18	% Walk	3.01	
		Remainder of Nation		% Bicycle	0.36	
Workers		% Less Than 15 Minutes	36.50	% Other	0.86	
National Total	128,279,228	% 15 - 29 Minutes	35.20	% Work at Home	3.38	
% of Population	45.6	% 30 - 39 Minutes	12.13			
% Male	53.7	% 40 - 59 Minutes	7.13			
% Female	46.3	% 60 Minutes or More	5.66	General Indicators		
Inside 49 Metro Areas	75,067,972	% At Home	3.38	National		
% Inside 49 Metro Areas	58.5%			Population/Sq. Mile	80	
Remainder of Nation	53,211,256	Time Workers Leave Hon	1e	Households/Sq. Mile	30	
% Remainder of Nation	41.5%			Workers/Sq. Mile	36	
1	- T.A. W. M. T.	National		Workers/Household	1.22	
Household Vehicle Availa	bility	5:00 AM - 6:59 AM	26.22	Vehicles/Household	1.69	
National	•	7:00 AM - 8:29 AM	40.31	Vehicles/Worker	1.39	
Total Vehicles	178,344,236	8:30 AM - 9:59 AM	10.42			
% 0 Vehicles	10.30	All Other Departures	19.78	Inside 49 Metro Areas		
% 1 Vehicles	34.25	Worked at Home	3.26	Population/Sq. Mile	420	
% 2 Vehicles	38.36			Households/Sq. Mile	155	
% 3+ Vehicles	17.10	Inside 49 Metro Areas		Workers/Sq. Mile	195	
Inside 49 Metro Areas		5:00 AM - 6:59 AM	25.57	Workers/Household	1.25	
Total Vehicles	97,334,931	7:00 AM - 8:29 AM	40.63	Vehicles/Household	1.63	
% 0 Vehicles	12.14	8:30 AM - 9:59 AM	11.76	Vehicles/Worker	1.30	
% 1 Vehicles	34.83	All Other Departures	18.87			
% 2 Vehicles	37.41	Worked at Home	3.18	Remainder of Nation		
% 3+ Vehicles	15.62			Population/Sq. Mile	38	
Remainder of Nation		Remainder of Nation		Households/Sq. Mile	14	
Total Vehicles	81,009,305	5:00 AM - 6:59 AM	27.15	Workers/Sq. Mile	17	
% 0 Vehicles	7.88	7:00 AM - 8:29 AM	39.86	Workers/Household	1.17	
% 1 Vehicles	33.49	8:30 AM - 9:59 AM	8.53	Vehicles/Household	1.77	
% 2 Vehicles	39.61	All Other Departures	21.08	Vehicles/Worker	1.52	
% 3+ Vehicles	19.03	Worked at Home	3.38			
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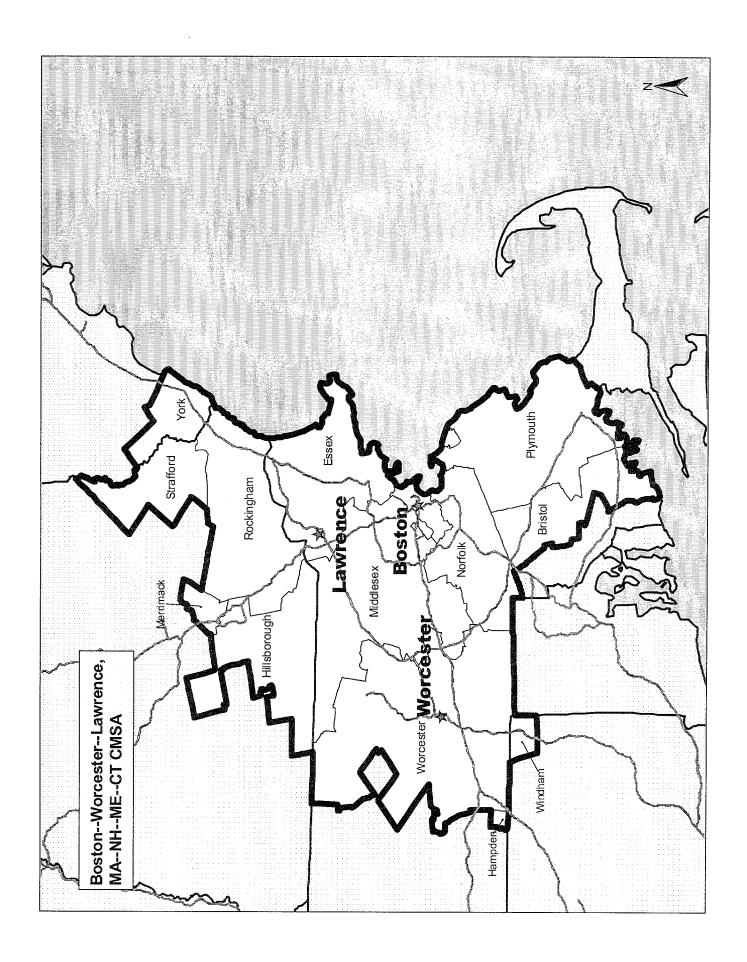
	Jou	rney to Wo	rk Profile:	Atlanta, GA MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,959,950	4,112,198	28.0	Population per square mile	483	671
Total households	1,102,578	1,504,871	26.7	Households per square mile	180	246
Total workers	1,542,948	2,060,632	25.1	Workers per square mile	252	336
Total area (square miles)	6,126	6,126		Workers per person	0.52	0.50
Total household vehicles	2,014,959	2,712,116	25.7	Workers per household	1.40	1.37
Median age	31.4	32.9	4.6	Persons per household	2.68	2.73
Median household income	\$36,051	\$51,948	30.6	Vehicles per household	1.83	1.80
1990 Central County: Fult	on County. (Seorgia				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	648,951	816,006	20.5	Population per square mile	1,176	1,479
Total households	257,140	321,242	20.0	Households per square mile	466	582
Total workers	315,366	385,442	18.2	Workers per square mile	572	699
Mode to Work					- - 14 (1. 3/4)	
Total workers	1,542,948	2,060,632	. 194- V 1951 - 10 Jawa			<u> </u>
Mode	1990 (%)		000 (numbers)	Mode to Work:	2000	
Private vehicle	90.9	90.6	1,867,586			
Drive alone	77.9	77.0	1,586,720		in the same of the	
		13.6	280,866	// Car	pool	Transit
Carpool	13.0 4.5	3.7		/ // 14	1%	4%
Transit			75,272			
Bus	3.4	2.4	49,441	Drove		Other
Subway/Rail	1.0	1.1	21,658	Alone		2%
Taxi & Ferry	0.1	0.2	4,173	77%		
Other	2.4	2.2	45,811		180 P. L. W. C.	Vork at
Walk	1.5	1.3	26,168		- /	home
Bike	0.1	0.1	1,958			3%
Other means	0.8	0.9	17,685			
Work at home	2.2	3.5	71,963		. 1. 1. 2	1,-364 3 - 445 - 444 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Household Vehicles					1000	
m	1990	2000		0/ 0 wahiala hawaalaalda	1990 8.9	2000 7.3
Total household vehicles Vehicles per person	2,014,959 0.68	2,712,116 0.66		% 0 vehicle households % 1 vehicle households	29.8	31.8
Vehicles per household	1.83	1.80		% 2 vehicle households	39.9	41.6
Vehicles per worker	1.31	1.32		% 3+ vehicle households	21.5	19.3
I DANGER AND THE STATE OF THE S				Travel Time to Work		
Departure Time to Work Total - worked away from home	1,508,734	1,988,669		Mean Travel Time	26.0	31.2
1 Gta1 - worked away from nome	1,508,734	1,988,009		Mean Travel Time	20.0	31.2
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Dercent of workers			Percent of workers			
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5 - 6:59 AM 7 - 8:2	9 AM 8:30 - 9:	59 AM All Oth	'	< 15 15 - 29 30 - 44	45 - 59	60 or more
5 5.55 7 447 7 - 0.62		Departur	11	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



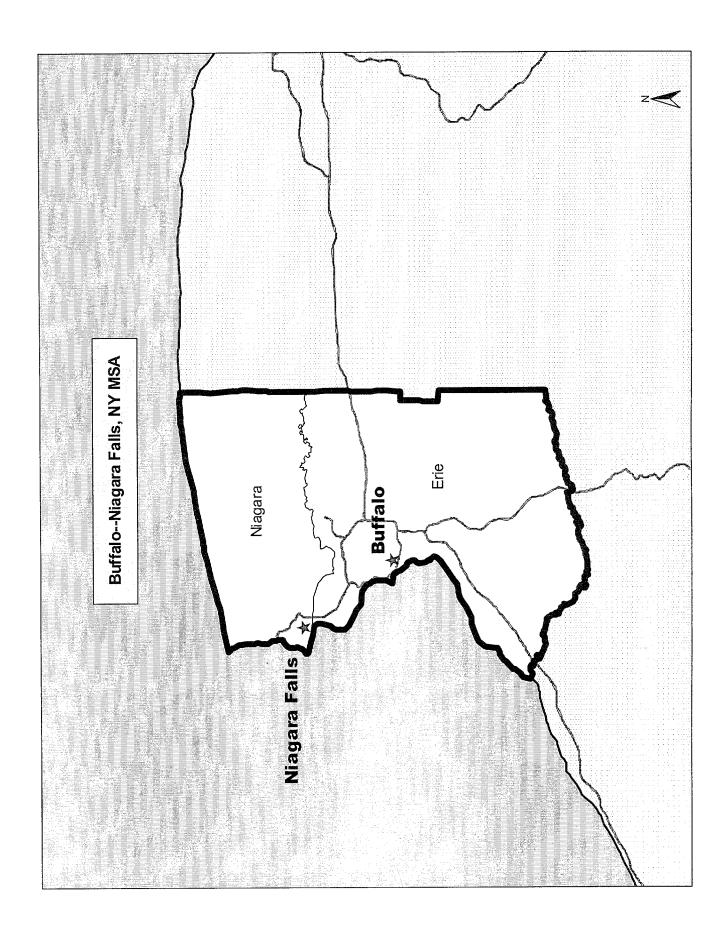
Journey to Work Profile: Austin-San Marcos, TX MSA						
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	846,227	1,249,763	32.3	Population per square mile	200	296
Total households	325,995	471,855	30.9	Households per square mile	77	112
Total workers	431,345	649,645	33.6	Workers per square mile	102	154
Total area (square miles)	4,226	4,226		Workers per person	0.51	0.52
Total household vehicles	543,069	817,861	33.6	Workers per household	1.32	1.38
Median age	29.3	30.9	5.3	Persons per household	2.60	2.65
Median household income	\$28,474	\$48,950	41.8	Vehicles per household	1.67	1.73
1990 Central County: Trav	is County, T	exas-				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	576,407	812,280	29.0	Population per square mile	548	773
Total households	232,861	320,766	27.4	Households per square mile	222	305
Total workers	302,909	433,064	30.1	Workers per square mile	288	412
Mode to Work						4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Total workers	431,345	649,645		78.07 18 . 4 . T. T	2000	
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work:	2000	
Private vehicle	89.4	90.2	585,862			
Drive alone	74.9	76.5	496,749	Carr	. " <u>"</u> ". 	Transit
Carpool	14.5	13.7	89,113	Carl 14	F .	3%
Transit	3.2	2.6	16,691			
Bus	3.0	2.5	16,063			Other
Subway/Rail	0.0	0.0	201	Drove		4%
Taxi & Ferry	0.2	0.1	427	Alone		
Other	4.5	3.7	23,725	75%	$\nearrow \nearrow \lor$	Vork at
Walk	2.9	2.1	13,506		-1669-141	home
Bike	0.5	0.6	3,775			4%
Other means	1.0	1.0	6,444		7	
Work at home	3.0	3.6	23,367			
Household Vehicles						
	1990	2000	 A contract of the /li>	iku na lang 19 seberah 1948 dida kelaladik beberah didak dina di na labah 1955 di nasar berah di nasar dan dib	1990	2000
Total household vehicles	543,069	817,861		% 0 vehicle households	7.2	5.9
Vehicles per person	0.64	0.65		% 1 vehicle households	38.2	35.6
Vehicles per household	1.67	1.73		% 2 vehicle households	40.1	42.8
Vehicles per worker	1.26	1.26		% 3+ vehicle households	14.6	15.6
Departure Time to Work		A Company of the Comp		Travel Time to Work		
Total - worked away from home	418,607	626,278	ATT OF STEET MAN OF STEEL SEE	Mean Travel Time	21.7	25.5
50 7		■ 1990	50		■ 1990	
rkers		□ 2000	kers		= 2000	
0 30 -			S 30			
20 -	鍿	Security artes	Jo -			
0 De de la companya d			Percent of workers			
5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:5	9 AM All Oth Departu	i i	< 15 15 - 29 30 - 44 Minutes	45 - 59	60 or more

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



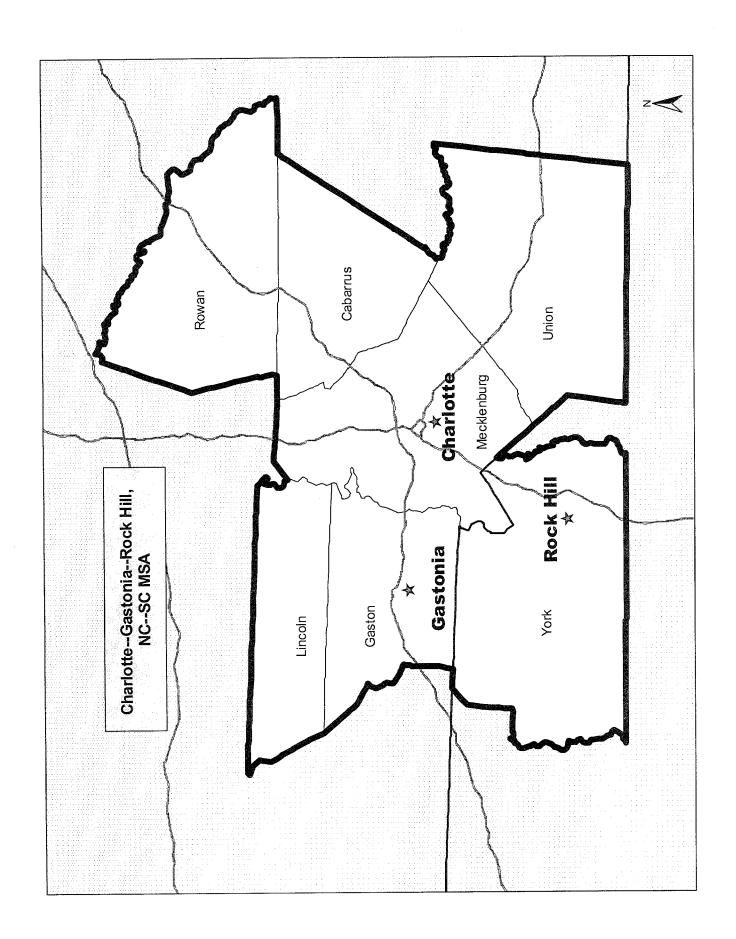
Journey to Work Profile: BostonWorcesterLawrence, MANHMECT CMSA						
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	5,455,403	5,819,100	6.3	Population per square mile	846	902
Total households	2,025,426	2,220,528	8.8	Households per square mile	314	344
Total workers	2,760,435	2,898,680	4.8	Workers per square mile	428	449
Total area (square miles)	6,450	6,450		Workers per person	0.51	0.50
Total household vehicles	3,175,703	3,506,230	9.4	Workers per household	1.36	1.31
Median age	33.2	36.1	8.0	Persons per household	2.69	2.62
Median household income	\$40,666	\$52,792	23.0	Vehicles per household	1.57	1.58
1990 Central County: Suf	folk County,	Massachuset	ts			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	663,906	689,807	3.8	Population per square mile	9,660	10,036
Total households	264,061	278,722	5.3	Households per square mile	3,842	4,055
Total workers	324,109	320,979	-1.0	Workers per square mile	4,716	4,670
Mode to Work						
Total workers	2,760,435	2,898,680			<u> </u>	7 42 (Apr.) 1 4 480 4
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work		nsit
Private vehicle	82.7	82.7	2,397,605		_	%
Drive alone	71.9	73.9	2,141,076	Carpo		í .
Carpool	10.8	8.8	256,529	// 9%		
Transit	8.6	9.0	261,862			
Bus	4.1	3.2	93,846			Other
Subway/Rail	4.3	5.5	158,808	Drove		5%
Taxi & Ferry	0.3	0.3	9,208	Alone		
Other	6.2	5.1	147,596	74%		
Walk	5.2	4.1	119,294		Make a February	Vork at
Bike	0.4	0.4	11,141			home 3%
Other means	0.6	0.6	17,161			3%
Work at home	2.5	3.2	91,617	09, 10		
Household Vehicles						
	1990	2000			1990	2000
Total household vehicles	3,175,703	3,506,230		% 0 vehicle households	13.8	12.3
Vehicles per person	0.58	0.60		% 1 vehicle households	35.4	35.9
Vehicles per household	1.57	1.58		% 2 vehicle households	36.6	38.5
Vehicles per worker	1.15	1.21		% 3+ vehicle households	14.1	13.3
Departure Time to Work				Travel Time to Work		
Total - worked away from home	2,691,278	2,807,063	arrable v	Mean Travel Time	23.6	27.8
50 7						
			50 7			
y 40 -		1990	40 -		1990	
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Percent of workers	##		TH ξ^{20}			
2 10 - 10 - 1			Percent of workers		_	
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5 - 6:59 AM 7 - 8:2	9 AM 8:30 - 9:59		7.1	< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departure	C5	Minutes		

 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



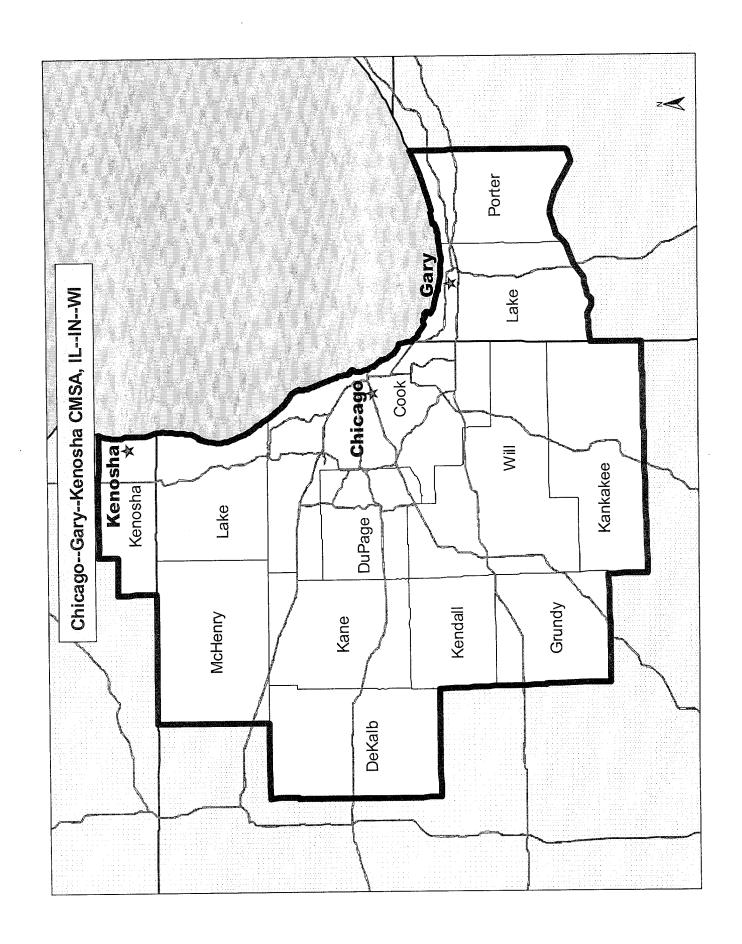
	ourney to	Work Pro	ofile: Buffalo	oNiagara Falls, NY MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,189,288	1,170,111	-1.6	Population per square mile	759	746
Total households	461,803	468,719	1.5	Households per square mile	295	
Total workers	531,122	520,350	-2.1	Workers per square mile	339	
Total area (square miles)	1,568	1,568		Workers per person	0.45	
Total household vehicles	680,478	695,638	2.2	Workers per household	1.15	
Median age	34.7	38.0	8.7	Persons per household	2.58	
Median household income	\$28,084	\$38,488	27.0	Vehicles per household	1.47	
1990 Central County: Eric		w York				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	968,532	950,265	-1.9	Population per square mile	938	920
Total households	376,994	380,873	1.0	Households per square mile	365	369
Total workers	432,883	421,809	-2.6	Workers per square mile	419	409
Mode to Work					m /da 4,7	
Total workers	531,122	520,350		Mode to Worl	k: 2000	
Mode	1990 (%)		2000 (numbers)		2000	
Private vehicle	88.3	91.1	474,065		\ <u> </u>	
Drive alone	77.1	81.7	425,054			Tr :
Carpool	11.2	9.4	49,011	/ / / / / / / / / / / / / / / / / / /	Carpool	Transit 4%
Transit	4.7	3.5	18,278		9%	/ 4%
Bus	4.1	3.1	16,091	Drove		Other
Subway/Rail	0.4	0.3	1,322	Alone	and the second	-3%
Taxi & Ferry	0.2	0.2	865	82%		
Other	5.2	3.3	17,114		7 v	Vork at
Walk	4.4	2.7	14,074			home
Bike	0.2	0.2	1,053			2%
Other means	0.6	0.4	1,987			
Work at home	1.8	2.1	10,893			
Household Vehicles	1990	2000			1000	2000
Total household vehicles	680,478	695,638		% 0 vehicle households	1990	2000
Vehicles per person	0.57	0.59		% 1 vehicle households	16.3	14.3
Vehicles per household	1.47	1.48		% 2 vehicle households	37.2 34.0	38.3 35.9
Vehicles per worker	1.28	1.34		% 3+ vehicle households	12.5	11.5
Departure Time to Work				Travel Time to Work		
Total - worked away from home	521,314	509,457		Mean Travel Time	19.4	21.1
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Percent of workers			Percent of workers			
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		Departu	ires	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



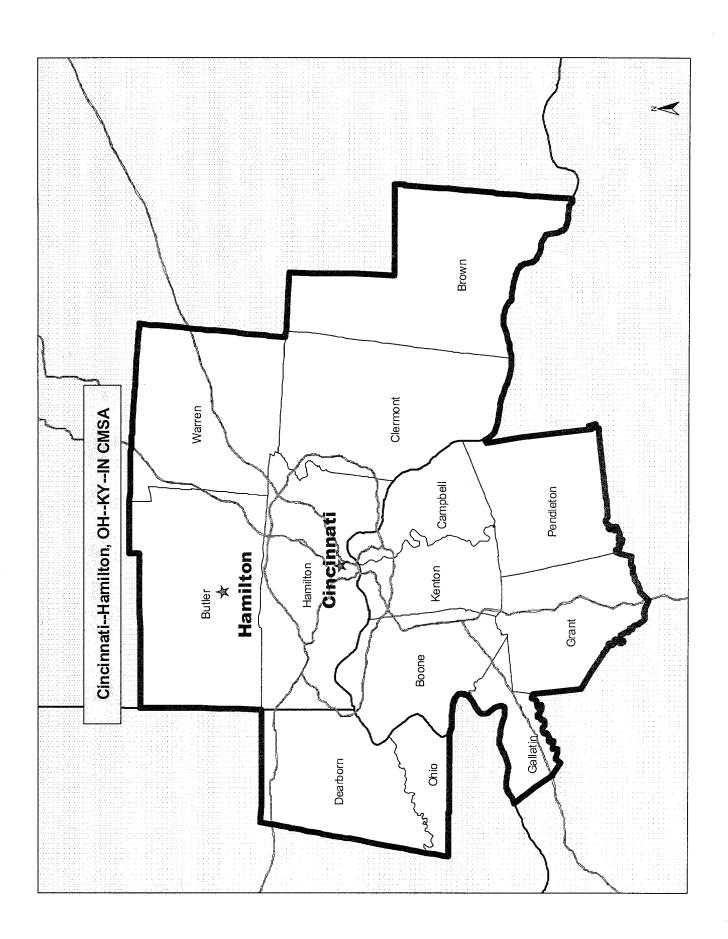
Journ	ey to Work	Profile: C	harlotteG	astoniaRock Hill, NCSC	MSA	
Demographics	1990	2000		General Indicators	1990	2000
Total population	1,162,093	1,499,293	22.5	Population per square mile	344	444
Total households	440,670	575,293	23.4	Households per square mile	130	170
Total workers	604,856	751,629		Workers per square mile	179	
Total area (square miles)	3,378	3,378		Workers per person	0.52	222
Total household vehicles	802,407	1,038,050	22.7	Workers per household	1.37	0.50
Median age	32.7	34.3	4.7	Persons per household	2.64	1.31
Median household income		\$46,119	32.5	Vehicles per household	1.82	2.61 1.80
1990 Central County: M	ecklenburg Co	ounty, North	Carolina			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	511,433	695,454	26.5	Population per square mile	915	1,244
Total households	200,219	273,416	26.8	Households per square mile	358	489
Total workers	277,227	362,991	23.6	Workers per square mile	496	649
Mode to Work						
Total workers	604,856	751,629			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
Mode	1990 (%)	2000 (%)	2000 (numbers)	Mode to Work	: 2000	
Private vehicle	93.3	93.8	704,786			
Drive alone	78.8	80.9	608,011			
Carpool	14.5	12.9	96,775			
Transit	1.8	1.4	10,433		arpool 13%	ransit
Bus	1.7	1.3	9,477	Drove	W. 18. 18. 18. 18.	1%
Subway/Rail	0.0	0.0	177	Alone		Other
Taxi & Ferry	0.1	0.1	779	81%		2%
Other	3.0	2.1	15,428			
Walk	2.1	1.2	9,082		Worl	1
Bike	0.1	0.1	904		hon 3%	
Other means	0.8	0.7	5,442) 3/	•
Work at home	1.9	2.8	20,982			
Household Vehicles						
70 - 11 1 11 11 11 1	1990	2000			1990	2000
Total household vehicles	802,407	1,038,050		% 0 vehicle households	8.7	6.6
Vehicles per person	0.69	0.69		% 1 vehicle households	30.4	32.4
Vehicles per household Vehicles per worker	1.82	1.80		% 2 vehicle households	39.5	42.0
-	1.33	1.38		% 3+ vehicle households	21.4	19.1
Departure Time to Work Total - worked away from home	Security of the second security of the	720 (47		Travel Time to Work		
	593,466	730,647		Mean Travel Time	21.6	26.1
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Detcent of workers		21.20019 	520			
	 		Percent of workers			
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^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



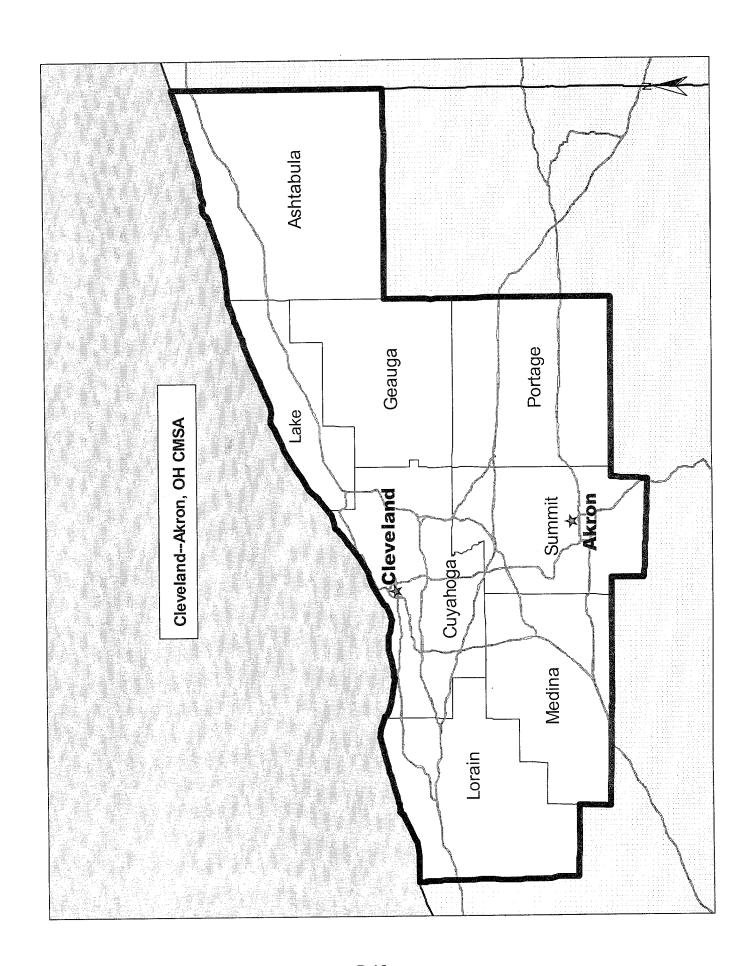
Journe	y to Work	Profile: Cl	nicagoGa	ryKenosha, ILINWI C	MSA	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	8,239,820	9,157,540	10.0	Population per square mile	1189	1321
Total households	2,969,099	3,302,211	10.1	Households per square mile	428	476
Total workers	3,922,295	4,218,108	7.0	Workers per square mile	566	609
Total area (square miles)	6,931	6,931		Workers per person	0.48	0.46
Total household vehicles	4,456,553	5,144,308	13.4	Workers per household	1.32	1.28
Median age	32.3	33.9	4.7	Persons per household	2.78	2.77
Median household income	\$35,918	\$51,046	29.6	Vehicles per household	1.50	1.56
1990 Central County: Coo	k County, Ill	inois				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	5,105,067	5,376,741	5.1	Population per square mile	5,290	5,572
Total households	1,879,488	1,974,181	4.8	Households per square mile	1,948	2,046
Total workers	2,369,624	2,371,161	0.1	Workers per square mile	2,456	2,457
Mode to Work						13.2
Total workers	3,922,295	4,218,108	1845			
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work	: 2000 Tra	nsit
Private vehicle	79.5	81.5	3,435,893		_	%
Drive alone	67.6	70.5	2,972,853	Carpoo		
Carpool	12.0	11.0	463,040	11%		
Transit	13.4	11.5	484,835			
Bus	6.7	4.6	194,887			Other
Subway/Rail	6.4	6.6	276,911	Drove		4%
Taxi & Ferry	0.3	0.3	13,037	Alone		
Other	4.9	4.2	175,709	71%	W	
Walk	4.1	3.1	131,896			ork at
Bike	0.2	0.3	13,077		11-500-51	nome 3%
Other means	0.6	0.7	30,736			376
Work at home	2.1	2.9	121,671			
Household Vehicles				u Angaire Marine and and		
	1990	2000			1990	2000
Total household vehicles	4,456,553	5,144,308		% 0 vehicle households	16.4	13.6
Vehicles per person	0.54	0.56		% 1 vehicle households	35.4	36.1
Vehicles per household	1.50	1.56		% 2 vehicle households	34.8	36.4
Vehicles per worker	1.14	1.22		% 3+ vehicle households	13.4	13.8
Departure Time to Work				Travel Time to Work		
Total - worked away from home	3,838,745	4,096,437	25.1201.03411.02.25.25.25.001.00	Mean Travel Time	27.9	31.0
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40	11111	1990	40 -		1990	
ker		1 2000			a 2000	
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Percentage of workers		F F	## # ²⁰ 1			
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^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



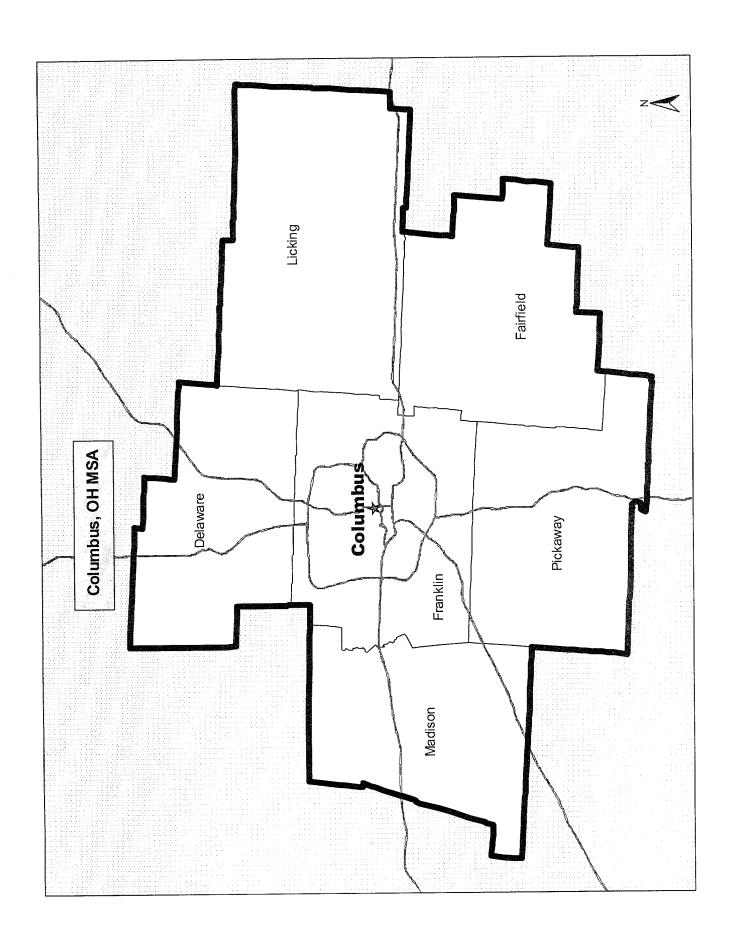
Journ	iey to Worl	« Profile: C	incinnati	-Hamilton, OHKYIN CN	1SA	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,817,571	1,979,202	8.2	Population per square mile	477	520
Total households	679,137	768,130	11.6	Households per square mile	178	202
Total workers	844,125	951,709	11.3	Workers per square mile	222	250
Total area (square miles)	3,810	3,810		Workers per person	0.46	0.48
Total household vehicles	1,164,437	1,344,766	13.4	Workers per household	1.24	1.24
Median age	32.2	35.0	8.0	Persons per household	2.68	2.58
Median household income	\$30,977	\$44,914	31.0	Vehicles per household	1.71	1.75
1990 Central County: Har	nilton County	, Ohio				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	866,228	845,303	-2.5	Population per square mile	2,071	2,021
Total households	338,881	346,790	2.3	Households per square mile	810	829
Total workers	399,406	398,465	-0.2	Workers per square mile	955	953
Mode to Work						755
Total workers	844,125	951,709				
Mode	1990 (%)	· ·	000 (numbers)	Mode to Work	: 2000	
Private vehicle	90.6	91.4	869,777			
Drive alone	79.0	81.4	774,405			
Carpool	11.7	10.0	95,372		T_1	ansit
Transit	3.5	2.9	27,928	Programme Allert Constitue Later Constitue And Constitue And Constitue Constitue And Constitue And Constitue Constitue And Const	ai Dooi 🐒 📁	3%
Bus	3.4	2.8	26,760		10%	
Subway/Rail	0.0	0.0	194	Drove	and the second s	ther
Taxi & Ferry	0.1	0.1	974	Alone 81%		3%
Other	3.6	2.9	28,021	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Walk	3.0	2.3	21,858		/ Worl	
Bike	0.1	0.1	1,183		hon	
Other means	0.5	0.5	4,980		3%	6
Work at home	2.2	2.7	25,983			
Household Vehicles					ARAL AND SHIP	
	1990	2000		. 아마이트 의사의 소개교육 기계원도 가설록 17년 년 -	1000	2000
Total household vehicles	1,164,437	1,344,766		% 0 vehicle households	1990	2000
Vehicles per person	0.64	0.68			11.5	9.6
Vehicles per household	1.71	1.75		% 1 vehicle households % 2 vehicle households	31.6 38.5	32.3 39.2
Vehicles per worker	1.38	1.41		% 3+ vehicle households	18.5	39.2 18.8
Departure Time to Work				Travel Time to Work	16.5	
Total - worked away from home	825,666	925,726	14 1 Tam (241) Sk	Mean Travel Time	22.4	24.3
50 7					<u> </u>	24.3
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 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



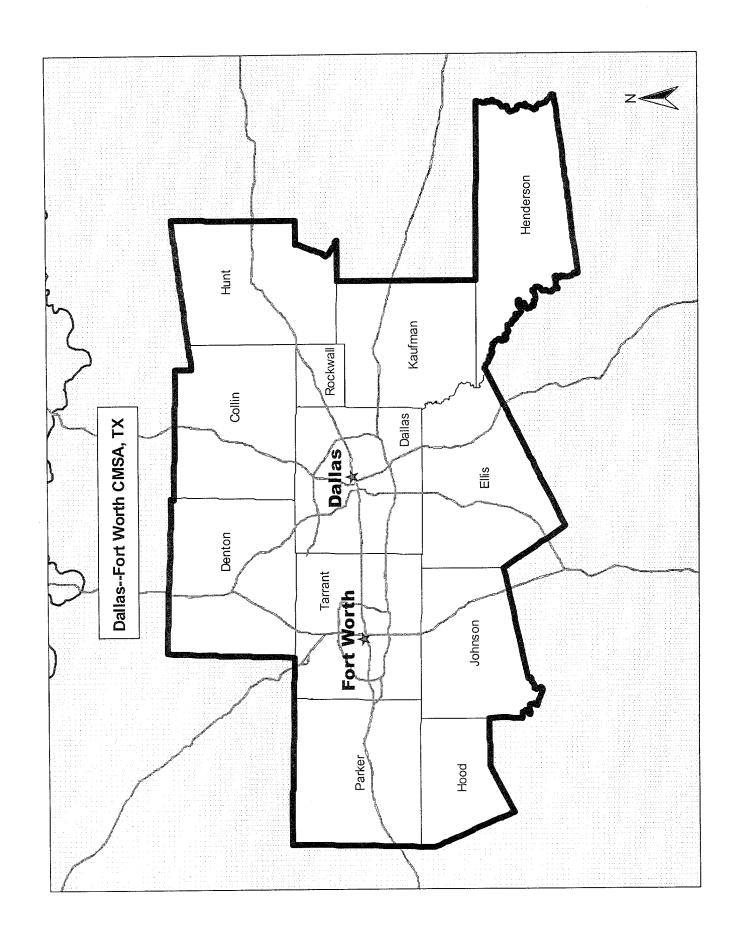
	Journey t	o Work Pr	ofile: Cleve	eland-Akron, OH CMSA		
Demographics	1990	2000	% Change	The section of the se	1990	2000
Total population	2,859,644	2,945,831	2.9	Population per square mile	792	
Total households	1,094,413	1,166,799	6.2	Households per square mile	303	323
Total workers	1,282,092	1,375,774	6.8	Workers per square mile	355	323
Total area (square miles)	3,613	3,613		Workers per person	0.45	0.47
Total household vehicles	1,800,347	1,950,546	7.7	Workers per household	1.17	1.18
Median age	34.2	37.2	8.1	Persons per household	2.61	2.52
Median household income	\$30,332	\$42,215	28.1	Vehicles per household	1.65	1.67
1990 Central County: Cu	yahoga Count	y, Ohio		4 1414 - Jani 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,412,140	1,393,978	-1.3	Population per square mile	2,942	2,904
Total households	563,243	571,457	1.4	Households per square mile	1,173	1,191
Total workers	617,552	622,876	0.9	Workers per square mile	1,287	1,298
Mode to Work				19일도 : 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 전화로	ARCEV FIFE	- Parak Velici Hodo
Total workers	1,282,092	1,375,774				
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Worl	k: 2000	Pie
Private vehicle	89.9	91.1	1,252,951			
Drive alone	79.5	82.3	1,132,667		\rightarrow	
Carpool	10.3	8.7	120,284		Carpool	Transit
Transit	4.4	3.4	47,111.		9%	3%
Bus	4.1	3.1	42,132	Drove		
Subway/Rail	0.3	0.3	3,596	Alone		Other
Taxi & Ferry	0.1	0.1	1,383	82%		3%
Other	3.7	2.8	39,094		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	7.1
Walk	3.0	2.1	29,401		PATE VIEW	Vork at
Bike	0.1	0.2	2,227			3%
Other means	0.6	0.5	7,466			370
Work at home	2.0	2.7	36,618			
Household Vehicles	1990	2000				And San San San San San San San San San San
Total household vehicles	1,800,347	2000 1,950,546		0/ 0 1:11 1 11	1990	2000
Vehicles per person	0.63	0.66		% 0 vehicle households	12.3	10.0
Vehicles per household	1.65	1.67		% 1 vehicle households% 2 vehicle households	34.3 36.8	35.4
Vehicles per worker	1.40	1.42		% 3+ vehicle households	16.6	38.4 16.2
Departure Time to Work				Travel Time to Work		10.2
Total - worked away from home	1,256,550	1,339,156		Mean Travel Time	21.9	24.0
50 7	****			Medit Havel Time	2.1.7	24.0
			50			ĺ
≥ 40 -		1990	40 -		■ 1990	
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Percent of workers			Percent of workers			
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		Departure	11	Minutes	10 - 37	or more

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



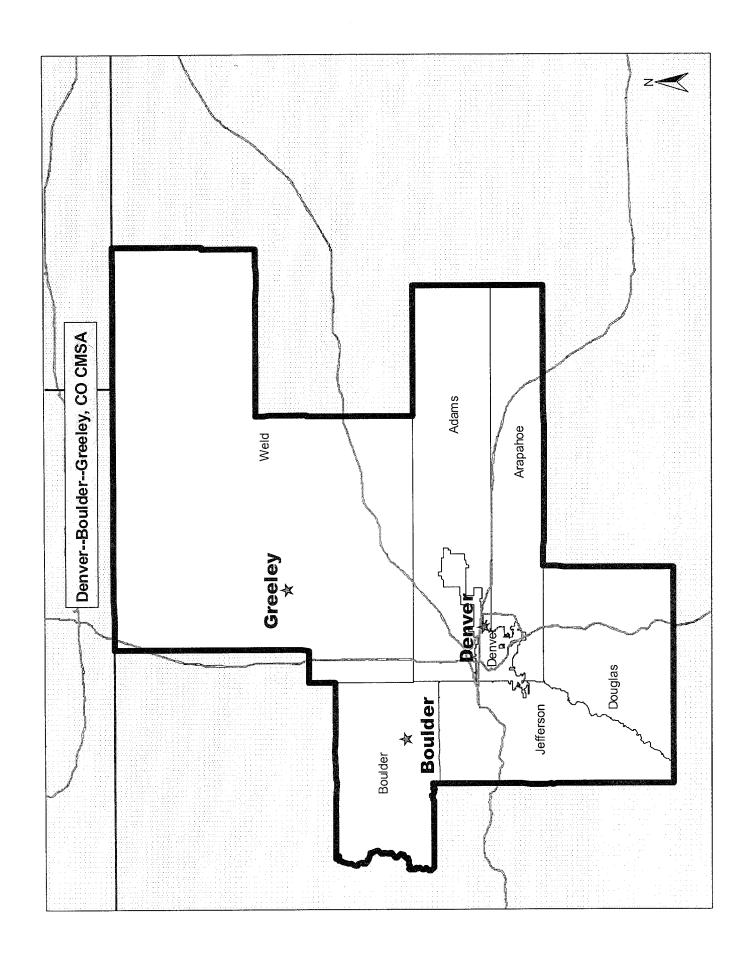
	Jour	ney to Wo	rk Profile: (Columbus, OH MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,345,450	1,540,157	12.6	Population per square mile	428	490
Total households	513,498	610,757	15.9	Households per square mile	163	194
Total workers	663,006	777,922	14.8	Workers per square mile	211	248
Total area (square miles)	3,142	3,142		Workers per person	0.49	0.51
Total household vehicles	885,428	1,060,779	16.5	Workers per household	1.29	1.27
Median age	31.5	33.6	6.3	Persons per household	2.62	2.52
Median household income	\$30,668	\$44,782	31.5	Vehicles per household	1.72	1.74
1990 Central County: Frai	ıklin County	, Ohio		484,644,645,540,744,644		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	961,437	1,068,978	10.1	Population per square mile	1,727	1,920
Total households	378,723	438,778	13.7	Households per square mile	680	788
Total workers	487,305	548,655	11.2	Workers per square mile	875	985
Mode to Work				: 下編集: 10.12.12.13 13.14.14 13.14.14 13.14.14 13.14.14 13.14.14 13.14.14 13.14.14 13.14.14 1	8 4 .	
Total workers	663,006	777,922	of the second of	and Career the Control of the Contro		
Mode	1990 (%)	2000 (%) 2	2000 (numbers)	Mode to Work	: 2000	
Private vehicle	90.9	91.6	712,932			24
Drive alone	79.5	82.0	638,086		\rangle_{Δ}	
Carpool	11.4	9.6	74,846			Transit
Transit	2.8	2.3	17,958		arpool 1/ 10%	2%
Bus	2.7	2.2	17,042	Drove	10%	Other
Subway/Rail	0.0	0.0	59	Alone		3%
Taxi & Ferry	0.1	0.1	857	82%		376
Other	4.0	3.1	23,986			
Walk	3.3	2.4	18,534		934.30 of /	/ork at
Bike	0.2	0.2	1,749			home 3%
Other means	0.5	0.5	3,703			376
Work at home	2.3	3.0	23,046			
Household Vehicles						
	1990	2000			1990	2000
Total household vehicles	885,428	1,060,779		% 0 vehicle households	9.0	7.5
Vehicles per person	0.66	0.69		% 1 vehicle households	33.7	34.8
Vehicles per household	1.72	1.74		% 2 vehicle households	40.0	40.6
Vehicles per worker	1.34	1.36		% 3+ vehicle households	17.3	17.0
Departure Time to Work				Travel Time to Work		San San Barana
Total - worked away from home	647,894	754,876		Mean Travel Time	21.2	23.2
50 7						
			50			
g 40 -		1990	40 -		1990	
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Percent of workers						
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		Departure		Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



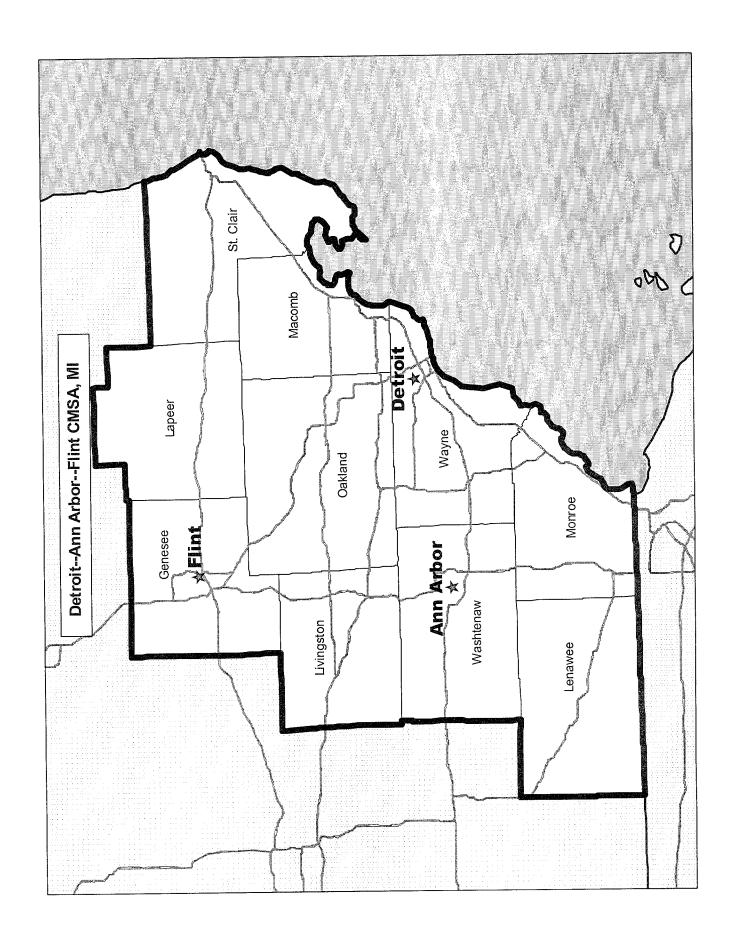
Total households 701,686 807,621 13.1 Households per square mile 781 Total workers 943,146 1,038,779 9.2 Workers per square mile 1,049 Mode to Work Total workers 2,038,398 2,527,648 Mode 1990 (%) 2000 (%) 2000 (numbers) Private vehicle 92.6 92.7 2,343,257 Drive alone 78.6 78.8 1,990,617 Carpool 13.9 14.0 352,640 Transit 2.3 1.8 45,765 Bus 2.2 1.6 40,577 Subway/Rail 0.0 0.1 3,378 Taxi & Ferry 0.1 0.1 1,810 Other 2.9 2.5 63,226 Walk 1.9 1.5 37,331 Bike 0.1 0.1 3,435 Other means 0.9 0.9 22,460 Work at home 2.3 3.0 75,400 Household Vehicles	
Total households	2000
Total households	574
Total workers 2,038,398 2,527,648 19.4 Workers per square mile 224	209
Total area (square miles)	278
Total household vehicles	0.48
Median age 30.5 32.1 5.0 Persons per household 2.68 Median household income \$32,825 \$47,418 30.8 Vehicles per household 1.75 1990 Central County: Dallas County; Texas Demographics 1990 2000 % Change Total population 1,852,810 2,218,899 16.5 Total households 701,686 807,621 13.1 Households per square mile 78.1 Households per square mile 78.1 Mode to Work 1990 (%) 2000 (numbers) Private vehicle 92.6 92.7 2,343,257 Drive alone 78.6 78.8 1,990,617 Carpool 13.9 14.0 352,640 Transit 2.3 1.8 45,765 Bus 2.2 1.6 40,577 Subway/Rail 0.0 0.1 1,810 Other 2.9 2.5 63,226 Walk 1.9 1.5 37,331 Bike<	1.33
Median household income \$32,825	2.74
Demographics 1990 2000 % Change Total population 1,852,810 2,218,899 16.5 Population per square mile 2,061 Total households 701,686 807,621 13.1 Households per square mile 781 Total workers 943,146 1,038,779 9.2 Workers per square mile 1,049	1.74
Total population 1,852,810 2,218,899 16.5 Total households 701,686 807,621 13.1 Total workers 943,146 1,038,779 9.2 Mode to Work Total workers 2,038,398 2,527,648 Mode 1990 (%) 2000 (%) 2000 (numbers) Private vehicle 92.6 92.7 2,343,257 Drive alone 78.6 78.8 1,990,617 Carpool 13.9 14.0 352,640 Transit 2.3 1.8 45,765 Bus 2.2 1.6 40,577 Subway/Rail 0.0 0.1 3,378 Taxi & Ferry 0.1 0.1 1,810 Other 2.9 2.5 63,226 Walk 1.9 1.5 37,331 Bike 0.1 0.1 3,435 Other means 0.9 0.9 22,460 Work at home 2.3 3.0 75,400 Household Vehicles 1990 2000 Total household vehicles 2,642,332 3,309,062 Vehicles per person 0.65 0.63 Vehicles per prosen 0.65 0.63 Vehicles per household 1.75 1.74 Vehicles per worker 1.30 1.31 Departure Time to Work Work at home 2.4 2,218,899 16.5 Households 17.1 Travel Time to Work	
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Vehicles per person0.650.63% 1 vehicle households34.9Vehicles per household1.751.74% 2 vehicle households41.7Vehicles per worker1.301.31% 3+ vehicle households17.1Departure Time to Work	2000
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^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



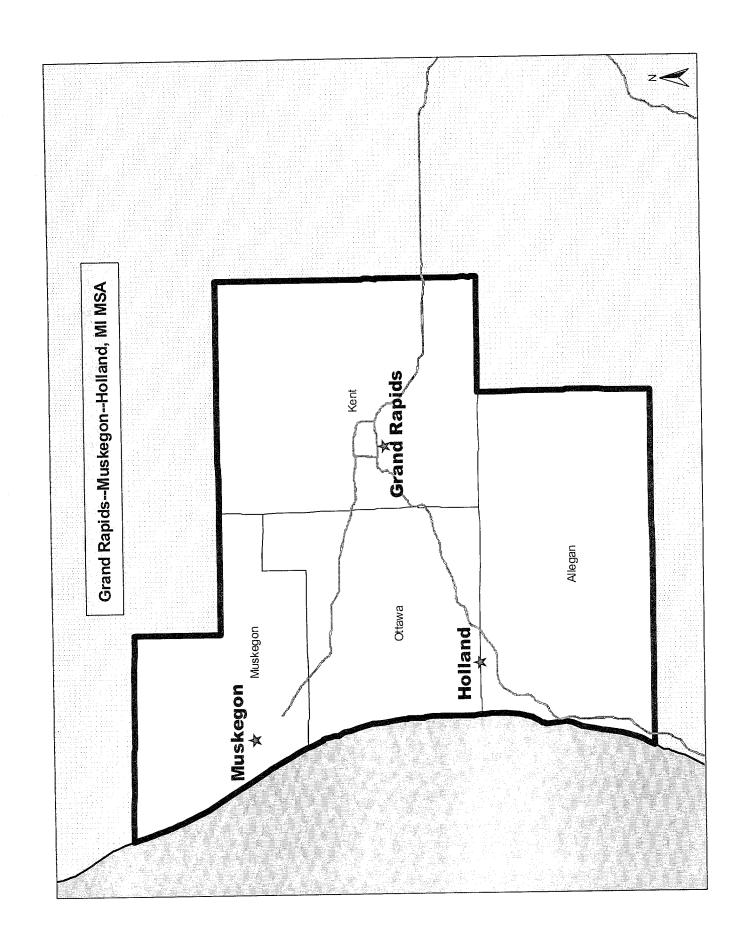
Joi	ırney to W	ork Profil	e: Denver	BoulderGreeley, CO CMS	A	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,980,140	2,581,506	23.3	Population per square mile	233	304
Total households	785,276	1,003,218	21.7	Households per square mile	92	118
Total workers	1,026,847	1,346,025	23.7	Workers per square mile	121	158
Total area (square miles)	8,496	8,496		Workers per person	0.52	0.52
Total household vehicles	1,413,776	1,819,266	22.3	Workers per household	1.31	1.34
Median age	32.6	33.8	3.6	Persons per household	2.52	2.57
Median household income	\$33,126	\$51,088	35.2	Vehicles per household	1.80	1.81
1990 Central County: Den	ver County,	Colorado				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	467,610	554,636	15.7	Population per square mile	4,513	5,352
Total households	210,952	239,235	11.8	Households per square mile	2,036	2,309
Total workers	231,503	278,715	16.9	Workers per square mile	2,234	2,690
Mode to Work						
Total workers	1,026,847	1,346,025				
Mode	1990 (%)	2000 (%) 2	2000 (numbers)	Mode to Work	:: 2000	
Private vehicle	87.4	87.1	1,173,019		Tr	ansit
Drive alone	75.0	75.6	1,017,637	// // // // Carr		4%
Carpool	12.5	11.5	155,382	/ 12	4. M	.,,
Transit	4.0	4.3	58,471			Other
Bus	3.9	4.2	56,680			4%
Subway/Rail	0.0	0.1	954	Drove		
Taxi & Ferry	0.1	0.1	837	Alone		
Other	4.8	3.8	51,050	75%	~~~~ w	ork at
Walk	3.4	2.4	32,044		/ h	ome
Bike	0.7	0.7	9,341			5%
Other means	0.8	0.7	9,665			
Work at home	3.7	4.7	63,485			
Household Vehicles						
T	1990	2000			1990	2000
Total household vehicles	1,413,776	1,819,266		% 0 vehicle households	7.6	7.0
Vehicles per person	0.71	0.70		% 1 vehicle households	33.1	32.8
Vehicles per household Vehicles per worker	1.80	1.81		% 2 vehicle households	39.0	40.3
	1.38	1.35	, garage and green was a supply of the	% 3+ vehicle households	20.3	19.9
Departure Time to Work Total - worked away from home		Apply Her		Travel Time to Work		
	988,832	1,282,540		Mean Travel Time	22.2	25.9
50			50 ¬			
40 -	 	■ 1990			■ 1990	
sta F		D 2000	40 -		2 000	
1 1 30 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		12000	rker			
Second of workers		and the second	5 ₂₀ -			
Hard 10 Berry 10 Berr	##	鐵計	Percent of workers			
10			III		FIIT	
5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59	AM All Othe	. 11	< 15 15 - 29 30 - 44	45 - 59	50 or more
		Departure	es	Minutes		
1			TI.			j

 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



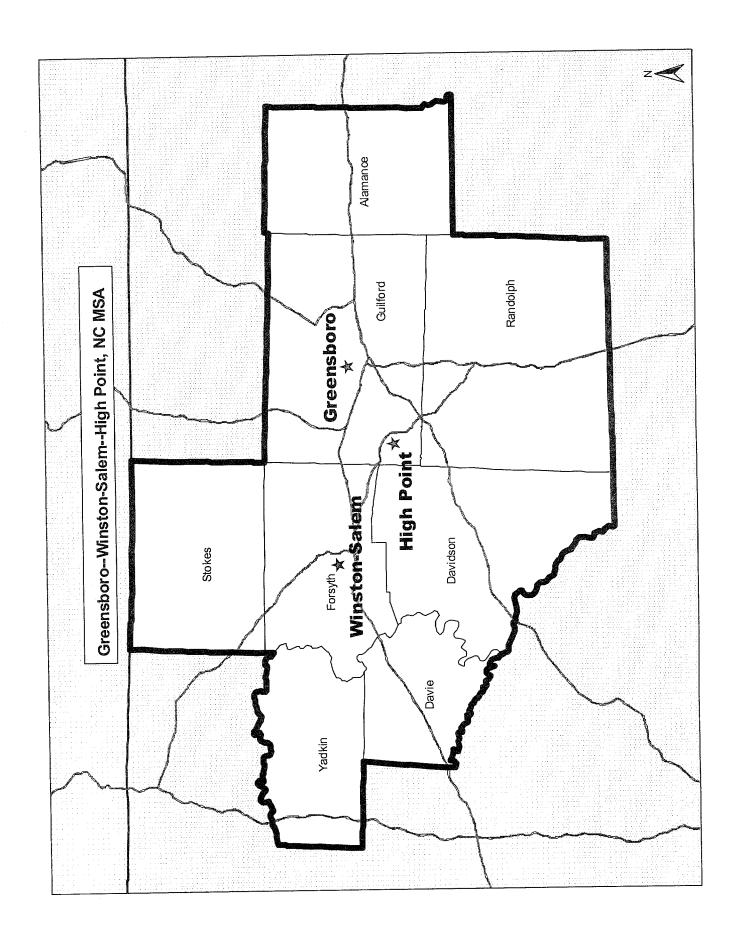
Jo	urney to W	ork Profile	e: Detroit	Ann ArborFlint, MI CMS	4	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	5,187,171	5,456,428	4.9	Population per square mile	790	831
Total households	1,916,409	2,081,797	7.9	Households per square mile	292	317
Total workers	2,294,108	2,482,457	7.6	Workers per square mile	349	378
Total area (square miles)	6,566	6,566		Workers per person	0.44	0.45
Total household vehicles	3,216,005	3,570,089	9.9	Workers per household	1.20	-
Median age	32.8	35.3	7.1	Persons per household	2.71	1.19
Median household income	\$34,729	\$49,160	29.4	Vehicles per household	1.68	2.62 1.71
1990 Central County: Wa	yne County, 1	•		A Property of the second		1./1 Date: Fig. 72
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,111,687	2,061,162	-2.5	Population per square mile	3,431	3,349
Total households	780,535	768,440	-1.6	Households per square mile	1,268	1,248
Total workers	822,620	827,311	0.6	Workers per square mile	1,337	1,246
Mode to Work					i,jo, Najirijish pir	1,544 25 1,28, 3,55
Total workers	2,294,108	2,482,457				
Mode	1990 (%)		000 (numbers)	Mode to Work:	2000	
Private vehicle	92.9	93.4	2,319,141			
Drive alone	82.8	84.2	2,089,400		\	
Carpool	10.1	9.3	229,741		\rightarrow	
Transit	2.3	1.8	45,119	/	arpool	ransit
Bus	2.1	1.7	41,399	Drove	9%	2%
Subway/Rail	0.0	0.0	485	Alone		Other
Taxi & Ferry	0.1	0.1	3,235	85%		2%
Other	3.1	2.5	61,516			
Walk	2.4	1.8	45,343		/ Worl	cat
Bike	0.2	0.2	4,407		hon	1
Other means	0.5	0.5	11,766		2%	ó
Work at home	1.8	2.3	56,681	2		
Household Vehicles			Tarana da da		t New Ower States	Anarm ri.
	1990	2000			1000	
Total household vehicles	3,216,005	3,570,089		% 0 vehicle households	1990	2000
Vehicles per person	0.62	0.65		% 1 vehicle households	12.0	8.7
Vehicles per household	1.68	1.71		% 2 vehicle households	32.9 37.6	34.7
Vehicles per worker	1.40	1.44		% 3+ vehicle households	17.5	39.6 16.9
Departure Time to Work			g (Maria e rain)	Travel Time to Work	ii Markilaasi	10.9 - 1847-1
Total - worked away from home	2,253,594	2,425,776		Mean Travel Time	23.1	26.1
50 7				7.0.0	43.1	20.1
		FFE 1000	50			
2 40 -		■ 1990	40 -		1 990	ĺ
9 30 -	iii L	2 0000			2 000	
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Percent of workers	钳		Percent of workers			
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		_ oparemos		Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



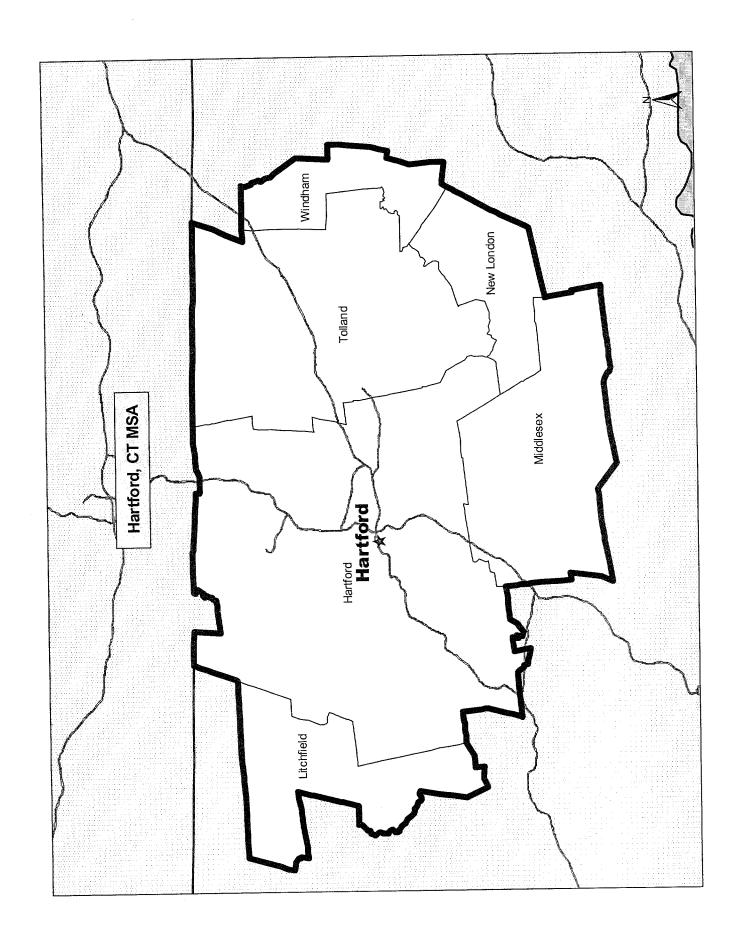
Journe	y to Work	Profile: Gi	and Rapids	MuskegonHolland, MI)	VISA	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	937,891	1,088,514	13.8	Population per square mile	340	395
Total households	333,911	396,047	15.7	Households per square mile	121	144
Total workers	442,228	531,924	16.9	Workers per square mile	160	193
Total area (square miles)	2,759	2,759		Workers per person	0.47	
Total household vehicles	603,190	727,228	17.1	Workers per household	1.32	0.49 1.34
Median age	30.5	33.2	8.0	Persons per household	2.81	2.75
Median household income	\$33,515	\$46,116	27.3	Vehicles per household	1.81	1.84
1990 Central County: Ken	t County, Mi	chigan 💮				1.04
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	500,631	574,335	12.8	Population per square mile	568	651
Total households	181,740	212,890	14.6	Households per square mile	206	241
Total workers	242,899	284,236	14.5	Workers per square mile	275	322
Mode to Work						
Total workers	442,228	531,924				
Mode	1990 (%)		000 (numbers)	Mode to Work:	2000	
Private vehicle	92.8	93.2	495,637			
Drive alone	82.6	84.0	446,638		_	
Carpool	10.2	9.2	48,999		<u> </u>	
Transit	1.0	0.8	4,457	/ Ca	imool 🖎 —	ansit
Bus	0.9	0.7	3,847	Drove	9%	1%
Subway/Rail	0.0	0.0	123	Alone	The second secon	ther
Taxi & Ferry	0.1	0.1	487	100 - 100 -		3%
Other	3.4	2.9	15,401			
Walk	2.6	2.1	10,976		/ Work	1
Bike	0.2	0.2	1,233		/ hom	,
Other means	0.5	0.6	3,192		3%)
Work at home	2.8	3.1	16,429			
Household Vehicles						
	1990	2000	ant wetter. The east of the	en frank i Meletin de Meditablika da di didak di kadilah disebilah dari di didak di didak di didak di didak di Birangan da didak di didak di didak di didak di didak di didak di didak di didak di didak di didak di didak di	1990	2000
Total household vehicles	603,190	727,228		% 0 vehicle households	7.1	6.1
Vehicles per person	0.64	0.67		% 1 vehicle households	31.4	31.4
Vehicles per household	1.81	1.84		% 2 vehicle households	42.8	43.6
Vehicles per worker	1.36	1.37		% 3+ vehicle households	18.8	18.9
Departure Time to Work				Travel Time to Work		
Total - worked away from home	429,764	515,495	#E/46/41000 P2/1005 F786/	Mean Travel Time	18.3	20.7
50 7					10.5	20.7
	Г	1000	50			
SI 40 -	1111	■ 1990	40 -		1990	
ork 30 -		2 000	Ct.S		= 2000	
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Percent of workers	#		Percent of workers			-
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		Departures		Minutes	.5 55 000	i illoic

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



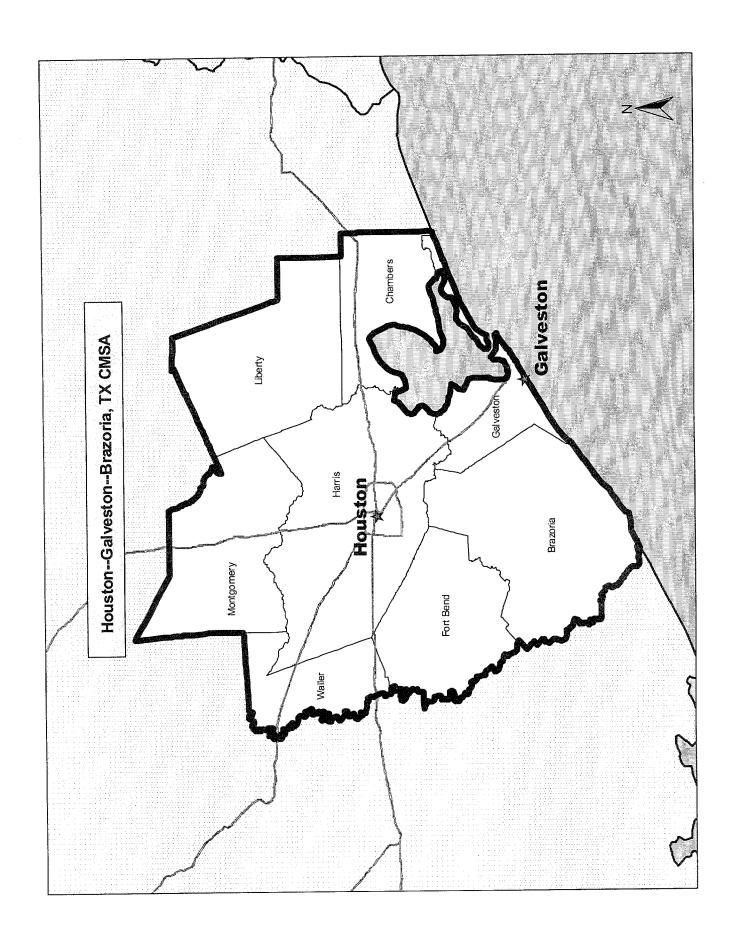
Journey to	o Work Pr	ofile: Gre	ensboroW	inston-SalemHigh Point, I	NC MSA	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,050,304	1,251,509	16.1	Population per square mile	270	322
Total households	414,793	498,751	16.8	Households per square mile	107	V-12
Total workers	550,325	618,921	11.1	Workers per square mile	142	120
Total area (square miles)	3,883	3,883		Workers per person	0.52	10)
Total household vehicles	768,868	916,224	16.1	Workers per household	1.33	1.24
Median age	33.9	36.0	5.9	Persons per household	2.53	2.51
Median household income	\$29,254	\$40,913	28.5	Vehicles per household	1.85	1.84
1990 Central County: Guil		, North Car	olina 🚞 📜			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	347,420	421,048	17.5	Population per square mile	530	642
Total households	137,706	168,667	18.4	Households per square mile	210	257
Total workers	185,853	213,079	12.8	Workers per square mile	283	325
Mode to Work						ine vesti.
Total workers	550,325	618,921				**************************************
Mode	1990 (%)	2000 (%)	2000 (numbers)	Mode to Work	: 2000	
Private vehicle	93.8	94.3	583,525			
Drive alone	79.3	81.2	502,523			
Carpool	14.5	13.1	81,002			
Transit	1.1	0.9	5,348		arpool	Transit
Bus	0.9	0.7	4,326	Drove	13%	1%
Subway/Rail	0.0	0.1	323	Alone		Other
Taxi & Ferry	0.1	0.1	699	82%		2%
Other	3.1	2.4	15,154			
Walk	2.3	1.6	9,605			ork at
Bike	0.1	0.1	704		- / '	nome
Other means	0.7	0.8	4,845			2%
Work at home	2.0	2.4	14,894			
Household Vehicles						
m . 11 1 1	1990	2000			1990	2000
Total household vehicles	768,868	916,224		% 0 vehicle households	8.8	7.2
Vehicles per person	0.73	0.73		% 1 vehicle households	29.9	32.0
Vehicles per household Vehicles per worker	1.85	1.84		% 2 vehicle households	38.3	39.3
279.111	1.40	1.48	e en la companya de la companya de la companya de la companya de la companya de la companya de la companya de	% 3+ vehicle households	23.0	21.5
Departure Time to Work Total - worked away from home				Travel Time to Work		
	539,047	604,027		Mean Travel Time	18.8	22.4
50 40 - 40 - 40 - 40 - 40 - 40 - 40 - 40		■ 1990 ■ 2000	Percent of workers		■ 1990 ■ 2000	
5 - 6:59 AM 7 - 8:29 A	AM 8:30 - 9:59 /	AM All Other Departure	r	< 15 15 - 29 30 - 44 Minutes	45 - 59	60 or more

 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



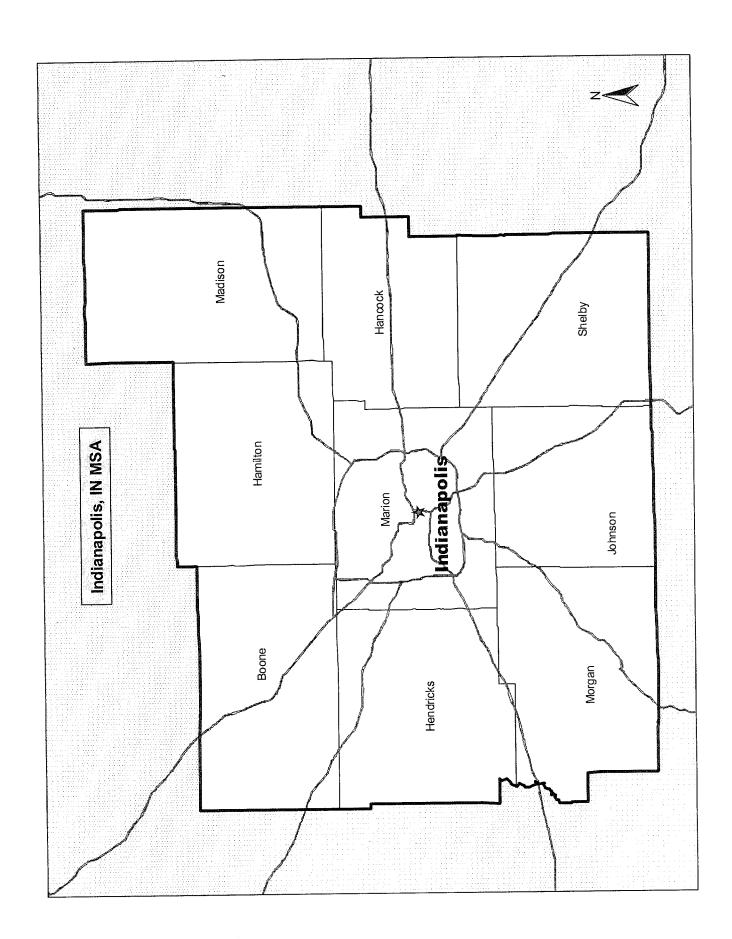
	Jour	ney to Wo	rk Profile:	Hartford, CT MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,157,585	1,183,110	2.2	Population per square mile	764	781
Total households	435,130	457,407	4.9	Households per square mile	287	302
Total workers	597,831	573,114	-4.3	Workers per square mile	395	378
Total area (square miles)	1,515	1,515		Workers per person	0.52	0.48
Total household vehicles	756,826	772,583	2.0	Workers per household	1.37	1.25
Median age	34.3	37.3	8.0	Persons per household	2.66	2.59
Median household income	\$41,440	\$52,188	20.6	Vehicles per household	1.74	1.69
1990 Central County: Har	**************************************	, Connecticu	t			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	851,783	857,183	0.6	Population per square mile	1,147	1,154
Total households	324,691	335,098	3.1	Households per square mile	437	451
Total workers	432,836	403,863	-7.2	Workers per square mile	583	544
Mode to Work						
Total workers	597,831	573,114	Maria Ariji din da keleberah	ASSET		
Mode	1990 (%)	2000 (%) 20	000 (numbers)	Mode to Work	: 2000	
Private vehicle	90.4	91.5	524,253	7 2 4 2		
Drive alone	78.9	82.5	472,664		\rangle_{\wedge}	
Carpool	11.4	9.0	51,589			Transit
Transit	3.5	2.8	16,107		arpool	3%
Bus	3.4	2.7	15,487	Drove	970	
Subway/Rail	0.0	0.1	348	Alone		Other
Taxi & Ferry	0.1	0.0	272	82%		3%
Other	4.2	3.2	18,324		137	
Walk	3.4	2.5	14,523		\$ F16167	ork at
Bike	0.2	0.2	951		/ ¹	ome 3%
Other means	0.6	0.5	2,850			376
Work at home	2.0	2.5	14,430			
Household Vehicles						
Total household vehicles	1990	2000			1990	2000
Vehicles per person	756,826	772,583		% 0 vehicle households	10.4	9.8
Vehicles per household	0.65 1.74	0.65 1.69		% 1 vehicle households	31.2	33.3
Vehicles per worker	1.74	1.35		% 2 vehicle households	39.9	40.8
Service Secretary and the second secretary second	1.27	i.JJ		% 3+ vehicle households	18.6	16.1
Departure Time to Work Total - worked away from home	505.040			Travel Time to Work	A Alba	
	585,942	558,684		Mean Travel Time	20.7	22.9
50]			50 7			
40		■ 1990			1990	
		日 2000	40 -		□ 2000	
7 30 -	##		ker			
Jo Games			030 T			
Sercent of workers			t 20			
La la la la la la la la la la la la la la	=		Percent of workers			
10						
5 - 6:59 AM 7 - 8:29 A	AM 8:30 - 9:59	AM All Other		< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departures		Minutes	-	
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 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



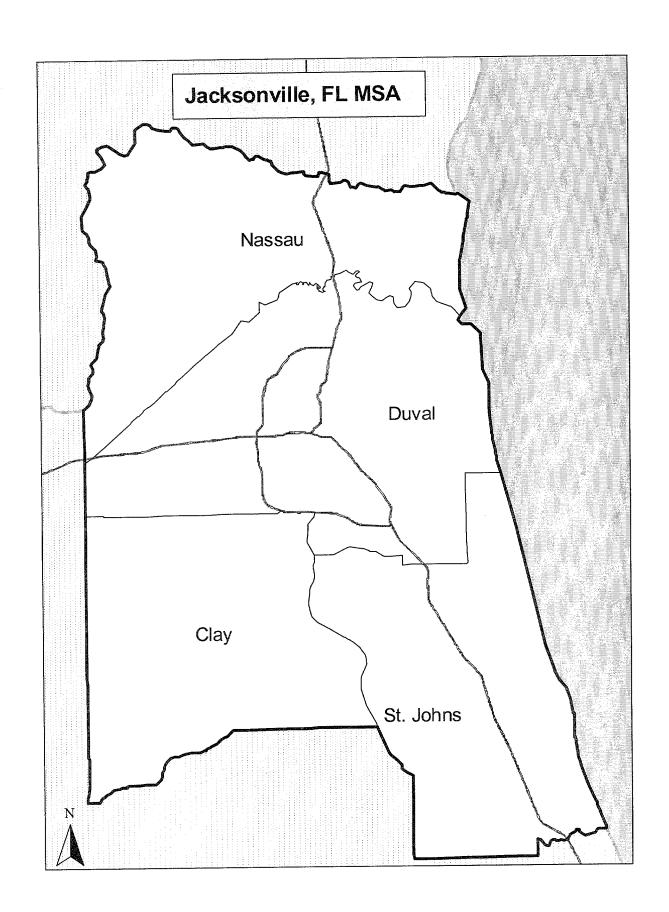
Demographics	ACCEPTANCE OF A COMMON PARTY.	rk Profile: 1	HoustonGa	ılvestonBrazoria, TX CM	SA	
_	1990		% Change	General Indicators	1990	2000
Total population	3,731,131	4,669,571	20.1	Population per square mile	484	606
Total households	1,338,775	1,639,401	18.3	Households per square mile	174	213
Total workers	1,768,567	2,081,607	15.0	Workers per square mile	229	270
Total area (square miles)	7,707	7,707		Workers per person	0.47	0.45
Total household vehicles	2,211,912	2,749,253	19.5	Workers per household	1.32	1.27
Median age	30.5	31.9	4.4	Persons per household	2.79	2.85
Median household income	\$31,488	\$44,761	29.7	Vehicles per household	1.65	1.68
1990 Central County: Hai	rris County,	Texas			ing and an an an	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,818,199	3,400,578	17.1	Population per square mile	1,618	2000
Total households	1,026,448	1,205,516	14.9	Households per square mile	589	1,953
Total workers	1,356,196	1,515,593	10.5	Workers per square mile	389 779	692
Mode to Work				Workers per square time	719 20-2	870
Total workers	1,768,567	2,081,607				
Mode	1990 (%)	•	000 (numbers)	Mode to Work:	2000	
Private vehicle	90.6	91.3	1,900,023			
Drive alone	76.1	77.0	1,603,575			
Carpool	14.6	14.2	296,448	Car	pool T	ransit
Transit	3.8	3.3	68,249	A DE RESERVE AND A CONTRACT OF	in 1	3%
Bus	3.6	3.1	65,486			570
Subway/Rail	0.0	0.0	519	Drove Drove		ther
Taxi & Ferry	0.0	0.0	2,244	Alone	H-12-2-	3%
Other	3.5	3.0	61,691	78%		
Walk	2.3	1.6	33,646		/ Worl	at
Bike	0.3	0.3	6,261		hom	ne
Other means	1.0	1.0	21,784		2%	5
Work at home	2.1	2.5	51,644			
Household Vehicles		2.5 Dann en esaas		AND AND THE PARTY OF THE PARTY		
110usenvia y enicies	1990	2000				
Total household vehicles	2,211,912	2,749,253		0.00 1:11	1990	2000
Vehicles per person	0.59	0.59		% 0 vehicle households	8.3	7.8
verticies per person		1.68		% 1 vehicle households	37.0	36.5
Vehicles per household	1.65			0/ 2 - 1-1-1 - 1-1-1		
Vehicles per household Vehicles per worker	1.65 1.25			% 2 vehicle households	40.2	40.9
Vehicles per worker	1.65 1.25	1.32	1. 44974 18798 17817	% 3+ vehicle households		
Vehicles per worker Departure Time to Work	1.25	1.32		% 3+ vehicle households Travel Time to Work	40.2 14.5	40.9 14.9
Vehicles per worker				% 3+ vehicle households	40.2	40.9
Vehicles per worker Departure Time to Work Total - worked away from home	1.25	2,029,963	50 7	% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9
Vehicles per worker Departure Time to Work Total - worked away from home	1.25	1.32	40 -	% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9
Vehicles per worker Departure Time to Work Total - worked away from home	1.25	2,029,963	40 -	% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9
Vehicles per worker Departure Time to Work Total - worked away from home	1.25	1.32 2,029,963 ■ 1990	40 -	% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9
Vehicles per worker Departure Time to Work Total - worked away from home	1.25	1.32 2,029,963 ■ 1990	40 -	% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9
Vehicles per worker Departure Time to Work Total - worked away from home	1.25	1.32 2,029,963 ■ 1990	40 -	% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9
Vehicles per worker Departure Time to Work Total - worked away from home 50 40 40 40 40 40	1.25	1.32 2,029,963 ■ 1990		% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9
Vehicles per worker Departure Time to Work Total - worked away from home 50 40 40 20 10 -	1.25	1.32 2,029,963 ■ 1990	40 -	% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9
Vehicles per worker Departure Time to Work Total - worked away from home 50 40 40 10 0	1,732,043	1.32 2,029,963 ■ 1990 ■ 2000	Percent of workers	% 3+ vehicle households Travel Time to Work Mean Travel Time	40.2 14.5 26.1	40.9 14.9 28.8
Vehicles per worker Departure Time to Work Total - worked away from home 50 40 40 20 10 -	1,732,043	1.32 2,029,963 ■ 1990 ■ 2000	Percent of workers	% 3+ vehicle households Travel Time to Work	40.2 14.5 26.1	40.9 14.9

 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



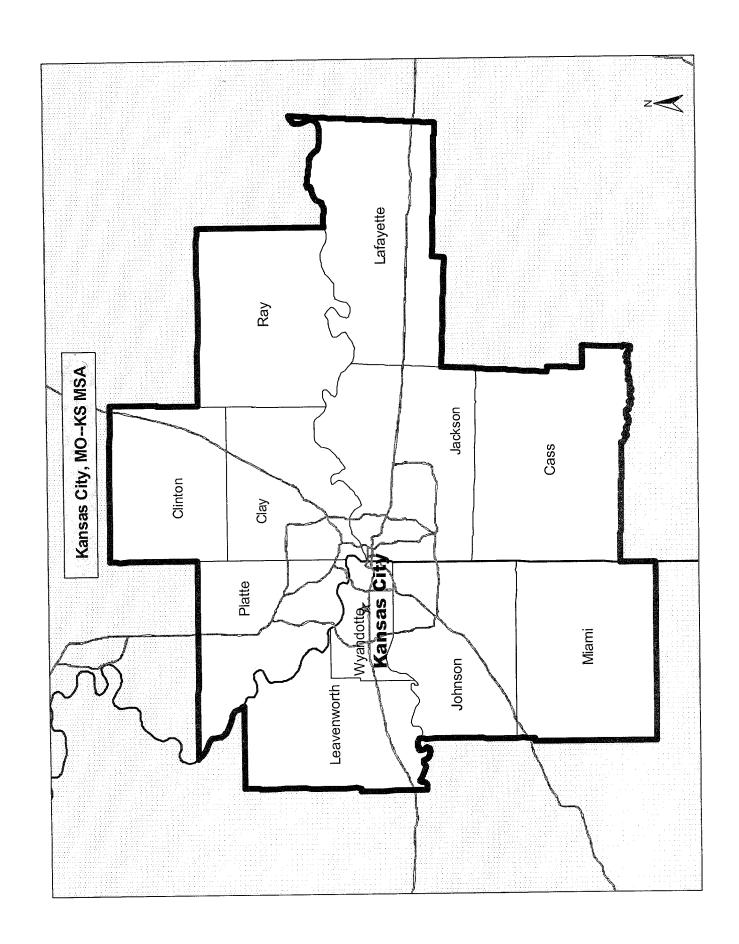
	Journ	iey to Work	cProfile: I	ndianapolis, IN MSA	TALL	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,380,491	1,607,486	14.1	Population per square mile	392	456
Total households	529,814	629,655	15.9	Households per square mile	150	
Total workers	683,007	795,755	14.2	Workers per square mile	194	
Total area (square miles)	3,523	3,523		Workers per person	0.49	
Total household vehicles	915,269	1,114,638	17.9	Workers per household	1.29	
Median age	32.3	34.6	6.6	Persons per household	2.61	2.55
Median household income	\$31,655	\$45,548	30.5	Vehicles per household	1.73	1.77
1990 Central County: Mai	rion County,	Indiana		Romania de la la la la la la la la la la la la la		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	797,159	860,454	7.4	Population per square mile	1,932	2,085
Total households	319,471	352,164	9.3	Households per square mile	774	853
Total workers	396,584	424,598	6.6	Workers per square mile	961	1,029
Mode to Work						
Total workers	683,007	795,755		ACTION OF THE STATE OF THE STAT		
Mode	1990 (%)	2000 (%) 20	000 (numbers)	Mode to Work	: 2000	
Private vehicle	92.6	93.3	742,116			
Drive alone	79.7	82.8	658,825) ^	
Carpool	12.9	10.5	83,291			Transit
Transit	1.9	1.3	10,530	/ / / / / / / / / / / C	arpool \	1%
Bus	1.8	1.2	9,749	Drove	10%	Other
Subway/Rail	0.0	0.0	292	Alone	55 3	2%
Taxi & Ferry	0.1	0.1	489	84%		276
Other	3.0	2.5	19,696		, T	Vork at
Walk	2.3	1.7	13,360		#5-Q#05000 /	home
Bike	0.1	0.2	1,345		1	3%
Other means	0.6	0.6	4,991			7,0
Work at home	2.4	2.9	23,413	· · · · · · · · · · · · · · · · · · ·		
Household Vehicles						
Total haves beld and tot	1990	2000			1990	2000
Total household vehicles	915,269	1,114,638		% 0 vehicle households	8.8	7.1
Vehicles per person Vehicles per household	0.66 1.73	0.69		% 1 vehicle households	33.9	34.0
Vehicles per worker	1.73	1.77 1.40		% 2 vehicle households	39.6	41.0
Departure Time to Work		1.40	2017 April 12 (12 April 12 Apr	% 3+ vehicle households	17.7	17.9
Total - worked away from home	666,683	772 242		Travel Time to Work		
	000,083	772,342		Mean Travel Time	21.8	23.8
50			50 7			
40 -	THI	1990		,	1990	
Percent of workers	##	B 2000	90 - 90 -		1 2000	
□ 30 - 		22000	rker			
Jo Joseph Market	##		Š			I E
20			E 20			
10 Per	Ħ		Percent of workers			
5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59			< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departures		Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



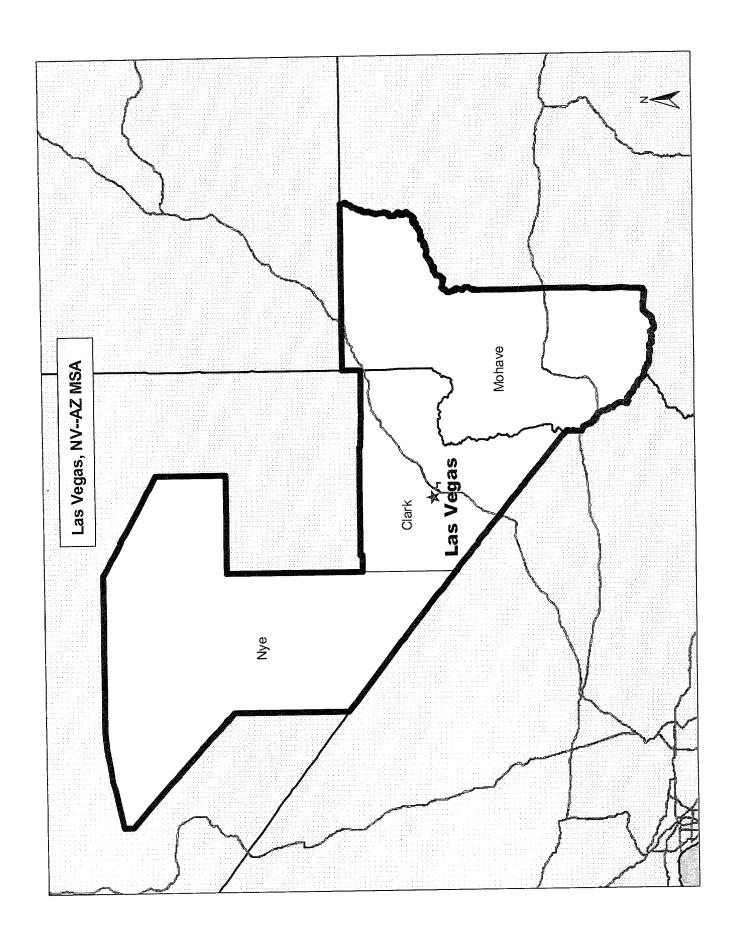
	Journ	ey to Wor	k Profile: J	acksonville, FL MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	906,727	1,100,491	17.6	Population per square mile	344	418
Total households	343,526	425,584	19.3	Households per square mile	130	
Total workers	443,882	527,718	15.9	Workers per square mile	168	200
Total area (square miles)	2,636	2,636		Workers per person	0.49	0.48
Total household vehicles	565,294	713,254	20.7	Workers per household	1.29	1.24
Median age	31.9	35.3	9.7	Persons per household	2.64	2.59
Median household income	\$29,514	\$42,439	30.5	Vehicles per household	1.65	1.68
1990 Central County: Duv	The state of the state of	A STATE OF STREET				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	672,971	778,879	13.6	Population per square mile	868	1,004
Total households	257,245	303,747	15.3	Households per square mile	332	392
Total workers	333,152	374,292	11.0	Workers per square mile	430	483
Mode to Work						
Total workers	443,882	527,718	[V-5-3-18-11-18-18-18-18-18-18-18-18-18-18-18-
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work	: 2000	3
Private vehicle	90.5	92.9	490,061			
Drive alone	76.2	80.3	423,639			
Carpool	14.3	12.6	66,422		arpool	T
Transit	2.1	1.5	8,042		13%	Transit 2%
Bus	1.9	1.3	6,750	Drove	Less.	Ī
Subway/Rail	0.0	0.0	195	Alone		Other
Taxi & Ferry	0.2	0.2	1,097	80%		3%
Other	4.7	3.3	17,548		7	
Walk	2.6	1.7	8,824		2012 ACC - 2017	ork at
Bike	0.7	0.5	2,493			ome
Other means	1.5	1.2	6,231			2%
Work at home	2.6	2.3	12,067	Section and the section of the secti		
Household Vehicles						
T-4-11 1 11 1 1 1	1990	2000			1990	2000
Total household vehicles	565,294	713,254		% 0 vehicle households	9.5	7.7
Vehicles per person Vehicles per household	0.62	0.65		% 1 vehicle households	35.7	36.3
Vehicles per worker	1.65 1.27	1.68 1.35		% 2 vehicle households	39.8	41.6
Departure Time to Work	1.27 Sistandaren v	1.33 1:37 - Martin		% 3+ vehicle households	15.0	14.5
Total - worked away from home	432,361	515 651		Travel Time to Work	Andrick	
	432,301	515,651		Mean Travel Time	22.6	26.6
50			50 7			
40 -	con T	1990			1990	
kers kers		日 2000	40 - 20		= 2000	
30 -	# -		irker		L	
to to the first term of the fi			L wo			
Percent of workers	#		∓			
E 10		_	Percent of workers			
		#_				
5 - 6:59 AM 7 - 8:29 A	M 8:30 - 9:59 A			< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departures		Minutes		

 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



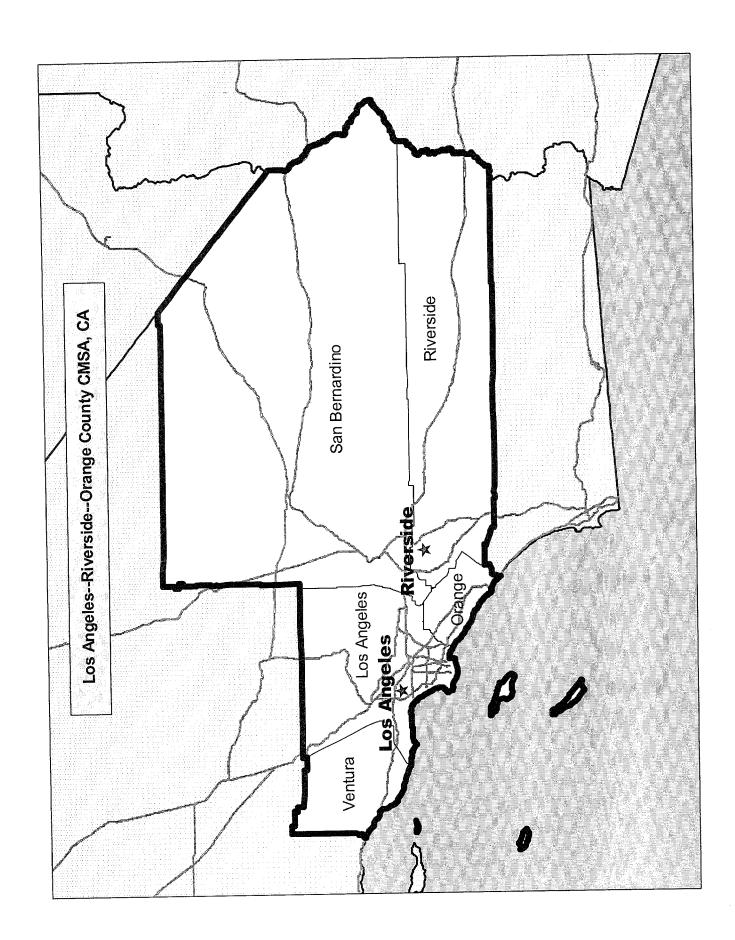
	Journey	to Work Pr	ofile: Kan	sas City, MOKS MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,582,875	1,776,062	10.9	Population per square mile	293	220
Total households	608,459	694,468	12.4	Households per square mile	113	328
Total workers	778,624	881,258	11.6	Workers per square mile	113	128
Total area (square miles)	5,407	5,407		Workers per person	0.49	163
Total household vehicles	1,055,490	1,224,685	13.8	Workers per household	1.28	0.50
Median age	32.9	35.2	6.5	Persons per household	2.60	1.27
Median household income	\$31,613	\$46,193	31.6	Vehicles per household	1.73	2.56
1990 Central County: Jac	kson County,	Missouri			1.73	1.76
Demographics	1990	2000	% Change	General Indicators	1990	April 200 Sept. The last
Total population	633,232	654,880	3.3	Population per square mile	1,018	2000
Total households	252,582	266,294	5.1	Households per square mile	406	1,052
Total workers	304,852	310,789	1.9	Workers per square mile	400 490	428
Mode to Work				The state of the second second	490 45 45 45 9	499
Total workers	778,624	881,258	ν		<u> 1946 (), 64.</u>	
Mode	1990 (%)	2000 (%) 200	M (numbers)	Mode to Work:	2000	
Private vehicle	92.4	93.2	821,733			
Drive alone	79.8	82.8	729,734			
Carpool	12.6	10.4	91,999			
Transit	2.1	1.3	11,305	/ Ca	rpool	Transit
Bus	2.0	1.2	10,431	/	.0%	1%
Subway/Rail	0.0	0.0	145	Drove		Other
Taxi & Ferry	0.1	0.1	729	Alone		2%
Other	2.7	2.1	18,159	84%	*****	1
Walk	1.9	1.4	11,982		/ Wor	rk at
Bike	0.1	0.1	772		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	me
Other means	0.7	0.6	5,405		39	%
Work at home	2.8	3.4	30,061			
Household Vehicles			1 4, 4	The second secon	1	
	1990	2000				
Total household vehicles		2000			1990	2000
Vehicles per person	0.67	1,224,685 0.69		% 0 vehicle households	8.6	7.3
Vehicles per household	1.73	1.76		% 1 vehicle households	33.0	33.5
Vehicles per worker	1.36	1.79		% 2 vehicle households	40.7	41.5
Departure Time to Work		1.59 30.423.445.0		% 3+ vehicle households	17.6	17.7
Total - worked away from home	756,935	051 105		Travel Time to Work		
	/30,933	851,197		Mean Travel Time	21.5	22.9
50]			50 7			
40 -		1000			1990	
(sers		1990	40 -		2 000	
yov 30 -		2000	kers		2000	
	Ħ					
Percent of workers	##		to 20			
La la la la la la la la la la la la la la	H		Percent of workers			
10			ا 10 کے			
5 - 6:59 AM 7 - 8:29 A	M 8:30 - 9:59 A	M All Other	0 +	< 15 15 - 29 30 - 44		
		Departures		< 15 15 - 29 30 - 44 Minutes	45 - 59 60	or more
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^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



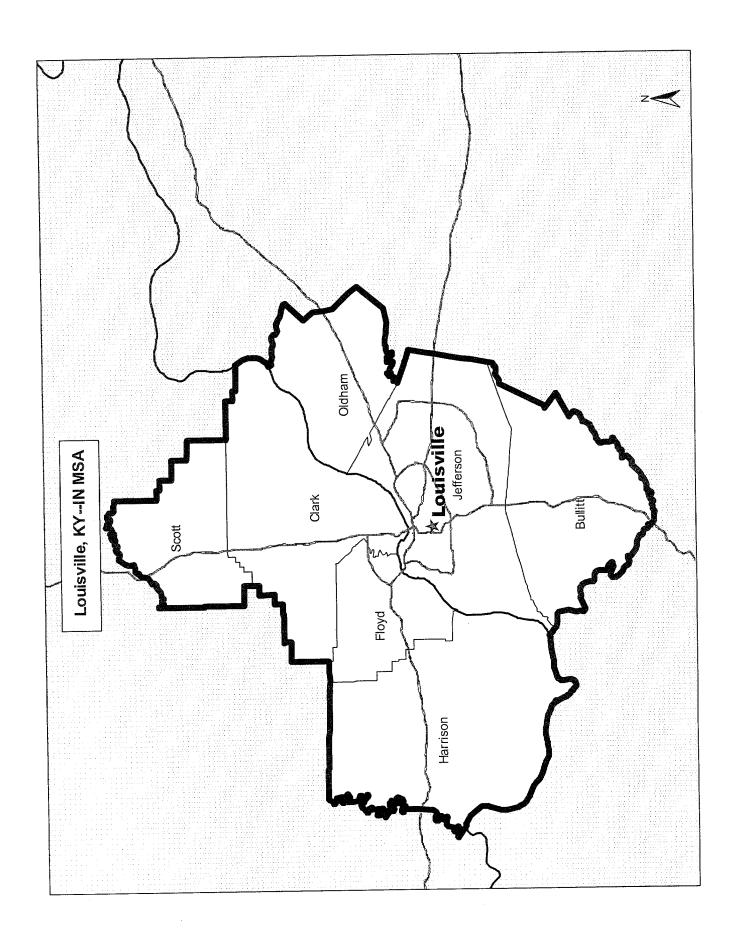
	Journe	y to Work	Profile: La	is Vegas, NVAZ MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	852,737	1,563,282	45.5	Population per square mile	22	40
Total households	330,490	588,371	43.8	Households per square mile		
Total workers	416,025	702,535	40.8	Workers per square mile	11	
Total area (square miles)	39,370	39,370		Workers per person	0.49	
Total household vehicles	552,035	945,041	41.6	Workers per household	1.26	
Median age	32.9	35.2	6.5	Persons per household	2.58	
Median household income	\$30,746	\$42,468	27.6	Vehicles per household	1.67	1.61
1990 Central County: Cla	A CONTRACTOR OF THE PARTY OF TH	BR 12/75 LINGST - 2211.15				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	741,459	1,375,765	46.1	Population per square mile	92	170
Total households	287,025	512,253	44.0	Households per square mile	35	63
Total workers	371,128	631,236	41.2	Workers per square mile	46	78
Mode to Work						
Total workers	416,025	702,535			. 1484-148 (1991), 183	
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work	: 2000	J.
Private vehicle	90.1	89.5	628,987			
Drive alone	74.3	74.5	523,350	Can	pool	Transit
Carpool	15.8	15.0	105,637		5% N 5	4%
Transit	2.0	4.1	28,526			770
Bus	1.8	3.9	27,587·			Od
Subway/Rail	0.0	0.0	234	Drove		Other 4%
Taxi & Ferry	0.2	0.1	705	Alone		4/0
Other	6.3	4.1	28,546	75%		
Walk	3.7	2.4	16,737		==#.SC:=3##Y	ork at
Bike	0.8	0.5	3,283		/ '	nome
Other means	1.9	1.2	8,526			2%
Work at home	1.6	2.3	16,476			į
Household Vehicles		Pāgaje:				
Total househald sublet	1990	2000			1990	2000
Total household vehicles	552,035	945,041		% 0 vehicle households	7.8	9.0
Vehicles per person Vehicles per household	0.65 1.67	0.60		% 1 vehicle households	39.3	39.7
Vehicles per worker	1.33	1.61		% 2 vehicle households	37.0	37.9
Complete and the complete of t		1.35	1927 T250 / See 195 / Fred 5	% 3+ vehicle households	15.9	13.4
Departure Time to Work Total - worked away from home	409,557		2 - William - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	Travel Time to Work		
	409,557	686,059		Mean Travel Time	20.3	24.1
50			50 7			
40 -	Г	1990			1990	ļ
Percent of workers	1	2000	40 -		□ 2000	
10× 30 -		L12000	- sk.			
y The state of the	##					
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10 - H			Percent of workers			
			# A 10			
0						
5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59	AM All Other		< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departures	:	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



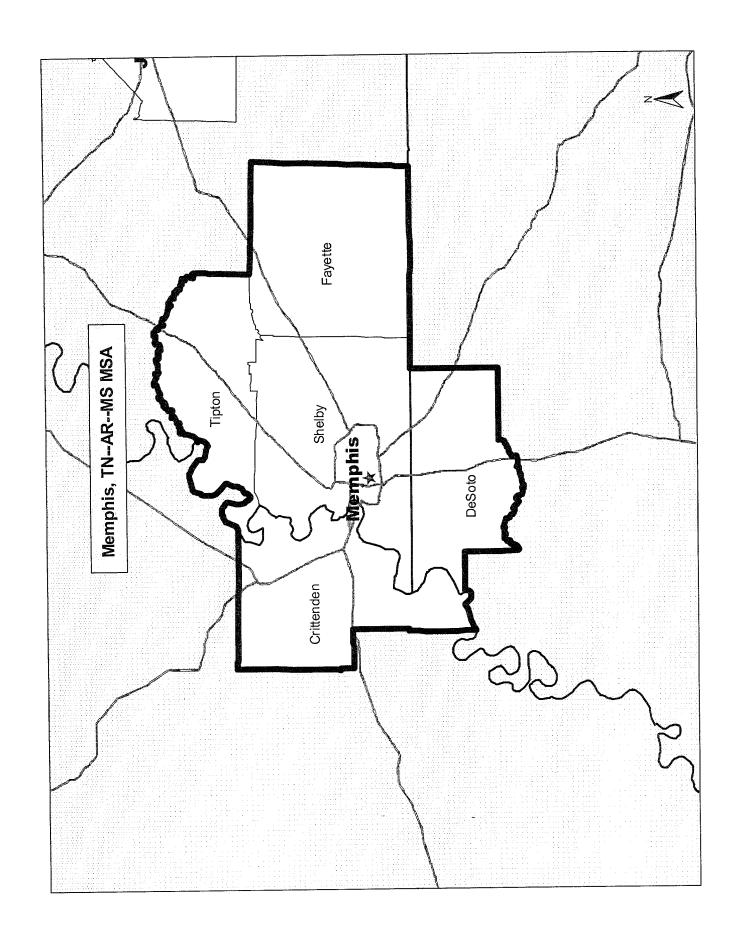
Journey (o Work Pr	ofile: Los /	AngelesRi	versideOrange County, C.	a CMSa	
Demographics	1990	2000	% Change	General Indicators	1990	
Total population	14,531,529	16,373,645	11.3	Population per square mile	428	
Total households	4,900,720	5,347,107	8.3	Households per square mile	144	.02
Total workers	6,809,043	6,767,619	-0.6	Workers per square mile	200	,
Total area (square miles)	33,966	33,966		Workers per person	0.47	
Total household vehicles	8,693,126	9,137,648	4.9	Workers per household	1.39	
Median age	30.7	32.3	5.0	Persons per household	2.97	
Median household income	\$36,711	\$45,903	20.0	Vehicles per household	1.77	- · - -
1990 Central County: Los	s Angeles Cou	nty, Californ	ia			1./1
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	8,863,164	9,519,338	6.9	Population per square mile	2,153	
Total households	2,989,552	3,133,774	4.6	Households per square mile	726	2,313 761
Total workers	4,115,248	3,858,750	-6.6	Workers per square mile	1,000	938
Mode to Work					1,000	936
Total workers	6,809,043	6,767,619	an amin'ny faritr'i Na	Participation of the control of the	<u> Parker a </u>	
Mode	1990 (%)		000 (numbers)	Mode to Work	: 2000	
Private vehicle	87.8	87.6	5,929,546		_	
Drive alone	72.3	72.4	4,901,201	Carp		Fransit
Carpool	15.5	15.2	1,028,345	159	W. 1	5%
Transit	4.6	4.7	315,544			/
Bus	4.5	4.3	287,739			Other
Subway/Rail	0.0	0.3	22,985	Drove		4%
Taxi & Ferry	0.0	0.1	4,820	Alone		
Other	4.9	4.2	281,078	72%	//////	
Walk	2.9	2.6	173,497		3 J	Vork at
Bike	0.7	0.6	42,887			home 4%
Other means	1.3	1.0	64,694		/	470
Work at home	2.7	3.6	241,451			
Household Vehicles						75.37
	1990	2000			1990	2000
Total household vehicles	8,693,126	9,137,648		% 0 vehicle households	8.9	10.1
Vehicles per person	0.60	0.56		% 1 vehicle households	33.7	34.9
Vehicles per household	1.77	1.71		% 2 vehicle households	37.4	37.2
Vehicles per worker	1.28	1.35		% 3+ vehicle households	20.0	17.9
Departure Time to Work				Travel Time to Work		
Total - worked away from home	6,622,941	6,526,168		Mean Travel Time	26.4	29.1
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SE 40 -	HHI I	2 2000	40 -		1990	İ
No. 30		L 2000	kers		■ 2000	
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Percent of workers			Percent of workers			
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		出入制				
5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59			< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departures		Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



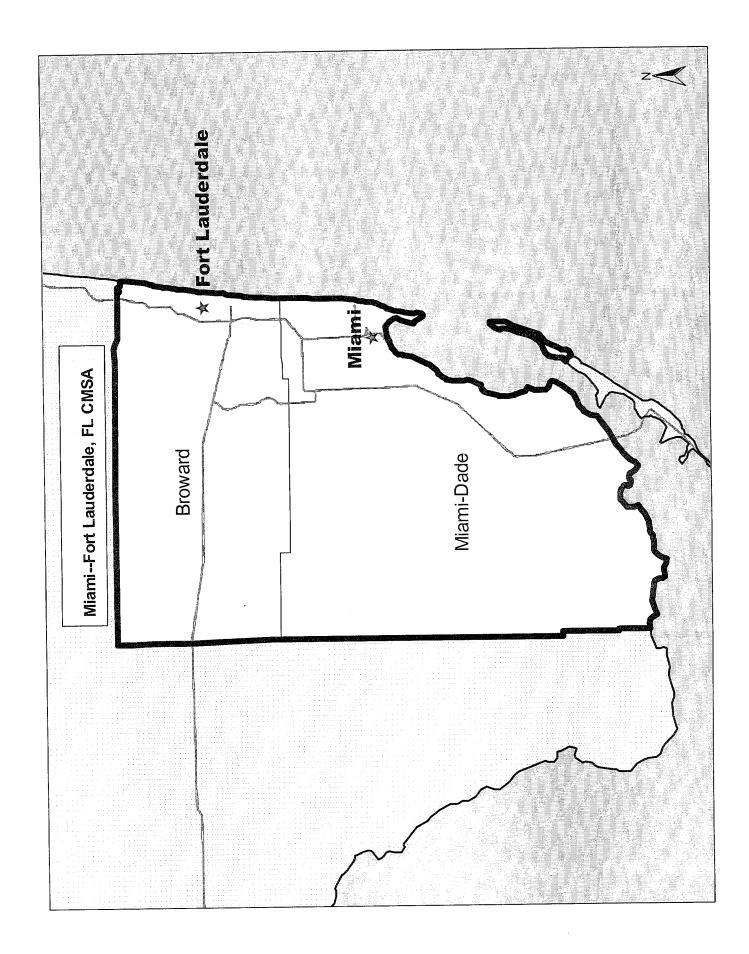
	Journe	y to Work	Profile: Le	ouisville, KYIN MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	948,829	1,025,598	7.5	Population per square mile	458	495
Total households	366,364	412,050	11.1	Households per square mile	177	199
Total workers	442,933	492,821	10.1	Workers per square mile	214	238
Total area (square miles)	2,072	2,072		Workers per person	0.47	0.48
Total household vehicles	613,603	697,446	12.0	Workers per household	1.21	1.20
Median age	33.7	36.5	7.6	Persons per household	2.59	2.49
Median household income	\$27,599	\$40,821	32.4	Vehicles per household	1.67	1.69
1990 Central County: Jeffe	erson County	, Kentucky				man sin
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	664,937	693,604	4.1	Population per square mile	1,643	1,714
Total households	264,138	287,012	8.0	Households per square mile	653	709
Total workers	311,336	329,091	5.4	Workers per square mile	769	813
Mode to Work					- 150M 885 500 .	75749 840 H
Total workers	442,933	492,821	and wasti, the constitution		1995年,被引用了	100 March 100 Ma
Mode	1990 (%)	•	000 (numbers)	Mode to Work	: 2000	
Private vehicle	92.2	92.9	457,935			
Drive alone	79.4	82.0	404,166		> A	
Carpool	12.8	10.9	53,769			_
Transit	3.2	2.2	10,898	The state of the s	arpool 🔪 🧲	Transit
Bus	3.2	2.2	10,607	Drove	11%	2%
Subway/Rail	0.0	0.0	54	Alone		Other
Taxi & Ferry	0.1	0.0	237			3%
Other	2.7	2.5	12,401			¬
Walk	2.0	1.7	8,485		C stables	ork at
Bike	0.1	0.2	924		EN2"	ome
Other means	0.6	0.6	2,992		/ 2	2%
Work at home	1.9	2.4	11,587			
Household Vehicles	1990	2000				
Total household vehicles	613,603	697,446		0/ 0 1:1-1 1 1 11	1990	2000
Vehicles per person	0.65	0.68		% 0 vehicle households	11.6	9.5
Vehicles per household	1.67	1.69		% 1 vehicle households% 2 vehicle households	33.0 38.1	34.7
Vehicles per worker	1.39	1.42		% 3+ vehicle households	36.1 17.4	39.0
Departure Time to Work				Travel Time to Work	17.4 Visitatia	16.8
Total - worked away from home	434,608	481,234		Mean Travel Time	21.3	22.7
50 7			50		21.3	22.7
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		Departures		Minutes		- 57 111010

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



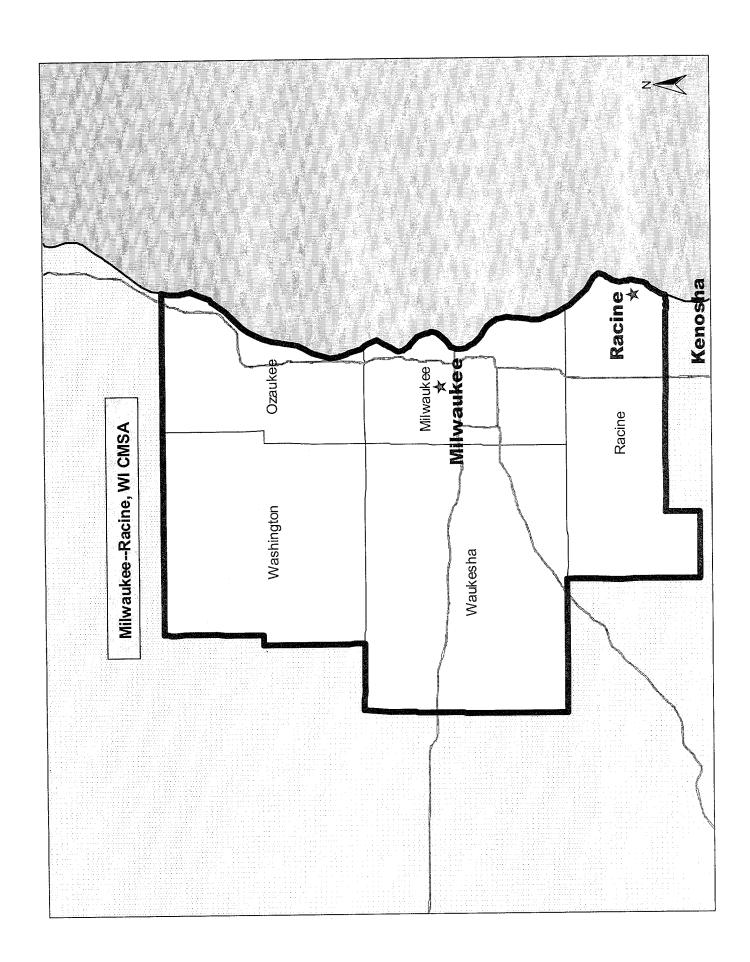
	Journey t	o Work Pr	ofile: Mem	ophis, TNARMS MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,007,306	1,135,614	11.3	Population per square mile	335	378
Total households	365,450	424,202	13.9	Households per square mile	122	141
Total workers	458,534	511,111	10.3	Workers per square mile	152	170
Total area (square miles)	3,008	3,008		Workers per person	0.46	0.45
Total household vehicles	579,424	689,563	16.0	Workers per household	1.25	1.20
Median age	31.1	33.2	6.4	Persons per household	2.76	2.68
Median household income	\$26,994	\$40,201	32.9	Vehicles per household	1.59	1.63
1990 Central County: She	the fact that the same of the	Tennessee		Marka Marka Makasara		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	826,330	897,472	7.9	Population per square mile	1,047	1,137
Total households	303,571	338,366	10.3	Households per square mile	384	429
Total workers	379,633	402,560	5.7	Workers per square mile	481	510
Mode to Work						
Total workers	458,534	511,111		3.6 a.l. 4 - 337 - 1	2000	
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work	: 2000	
Private vehicle	91.8	93.9	480,001			
Drive alone	78.1	80.9	413,425			
Carpool	13.7	13.0	66,576	//	arpool	
Transit	2.8	1.7	8,781	ATTENDED TO THE TRANSPORT OF THE PART OF T	13%	Transit
Bus	2.7	1.6	8,273	Drove	Level.	2%
Subway/Rail	0.0	0.0	156	Alone		Other
Taxi & Ferry	0.1	0.1	352	81%		2%
Other	3.9	2.2	11,200		7",	
Walk	2.9	1.3	6,634			ork at
Bike	0.1	0.1	404		/ '	2%
Other means	0.9	0.8	4,162			270
Work at home	1.5	2.2	11,129			
Household Vehicles	1000					
Total household vehicles	1990	2000			1990	2000
Vehicles per person	579,424	689,563		% 0 vehicle households	13.2	10.4
Vehicles per household	0.58 1.59	0.61 1.63		% 1 vehicle households	34.9	36.9
Vehicles per worker	1.26	1.03		% 2 vehicle households	36.8	37.6
	1.20	1.33 -Vall S. 328, 1984	och wagen om men	% 3+ vehicle households	15.1	15.1
Departure Time to Work Total - worked away from home	451,644	499,982		Travel Time to Work Mean Travel Time		
50 7	431,044	777,982		iviean Travel Time	21.8	24.6
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Percent of workers			# t 20			ļ
10 -	##		Percent of workers			
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5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59	AM All Other Departures		< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departures	'	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



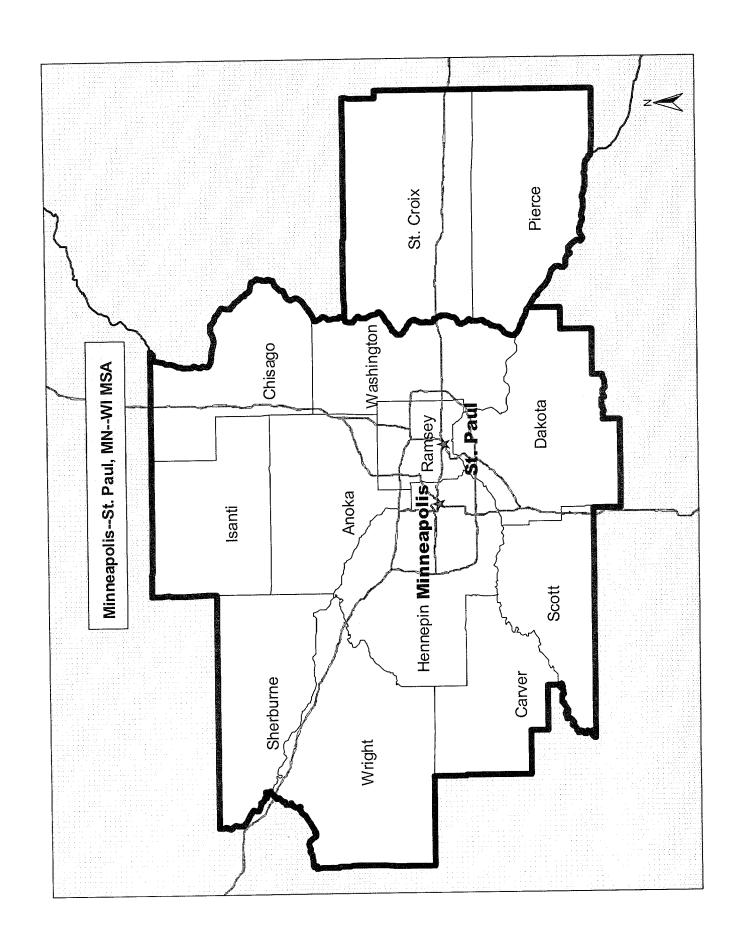
r	urney to V	Vork Profil	o Miami	Fort Lauderdale, FL CMSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	3,192,582	3,876,380	17.6	Population per square mile	1012	
Total households	1,220,797	1,431,219	14.7	Households per square mile	387	
Total workers	1,476,085	1,642,866	10.2	Workers per square mile	468	
Total area (square miles)	3,154	3,154		Workers per person	0.46	
Total household vehicles	1,825,030	2,157,310	15.4	Workers per household	1.21	1.15
Median age	35.5	36.5	2.7	Persons per household	2.62	
Median household income	\$28,503	\$38,632	26.2	Vehicles per household	1.49	1.51
1990 Central County: Mia	ımi-Dade Coı	unty, Florida				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,937,094	2,253,362	14.0	Population per square mile	969	1,127
Total households	692,355	776,774	10.9	Households per square mile	346	389
Total workers	887,996	899,323	1.3	Workers per square mile	444	450
Mode to Work						
Total workers	1,476,085	1,642,866		70.4F 3 4 3357 7	2000	
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work	: 2000	
Private vehicle	89.8	90.1	1,479,744			
Drive alone	75.3	76.6	1,259,067		pool	Transit
Carpool	14.5	13.4	220,677	/ Garage Street of the Street of Street All Street	3%	- 4%
Transit	4.4	3.9	64,135			770
Bus	3.6	3.2	53,103			Other
Subway/Rail	0.6	0.5	8,550	Drove Alone		-3%
Taxi & Ferry	0.1	0.2	2,482	77%		_
Other	3.9	3.2	53,329		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Vork at
Walk	2.3	1.8	29,047		3.00	home
Bike	0.5	0.5	7,485			3%
Other means	1.1	1.0	16,797			370
Work at home	2.0	2.8	45,658			
Household Vehicles						
77-4-11	1990	2000			1990	2000
Total household vehicles	1,825,030	2,157,310		% 0 vehicle households	13.5	12.1
Vehicles per person Vehicles per household	0.57	0.56		% 1 vehicle households	40.1	41.1
Vehicles per worker	1.49	1.51		% 2 vehicle households	33.8	35.1
The second secon	1.24	1.31	Nagatian ka	% 3+ vehicle households	12.5	11.8
Departure Time to Work Total - worked away from home	1,446,936	1,597,208		Travel Time to Work Mean Travel Time	24.1	20.0
	1,440,730	1,337,208		Mean Travel Time	24.1	28.9
50			50 7			
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kers		1 2000	40 d		1 2000	
Percent of workers	iiii '		Percent of workers			f
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		Departure	s	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



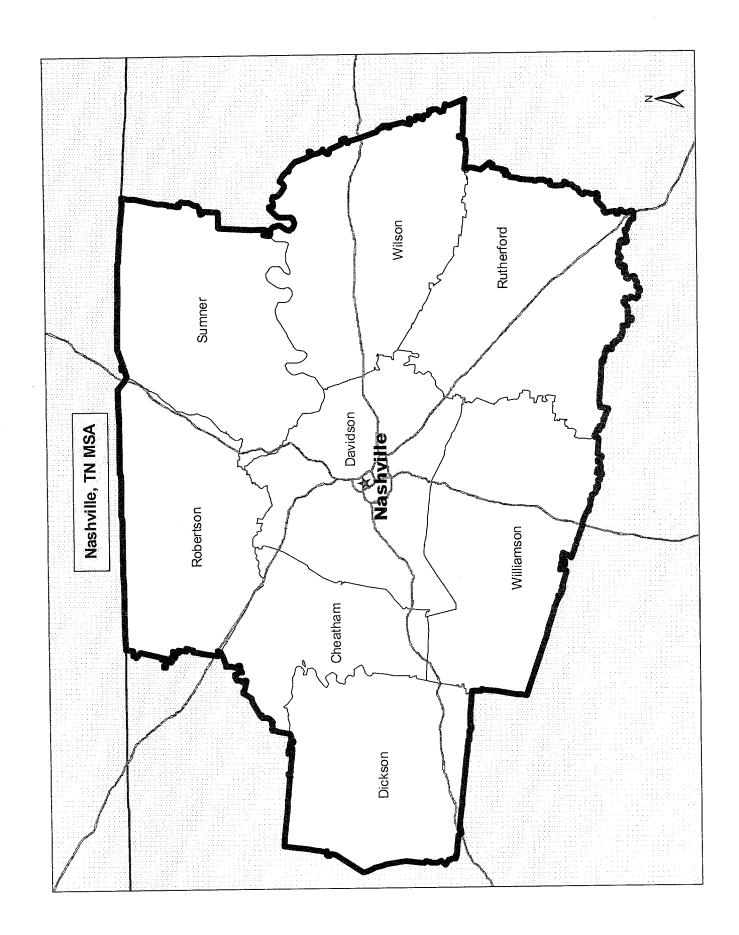
	Journey to	Work Pr	ofile: Milwa	ukeeRacine, WI CMSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,607,183	1,689,572	4.9	Population per square mile	896	942
Total households	601,458	658,476	8.7	Households per square mile	335	367
Total workers	772,752	816,880	5.4	Workers per square mile	431	456
Total area (square miles)	1,793	1,793		Workers per person	0.48	0.48
Total household vehicles	963,810	1,062,389	9.3	Workers per household	1.28	1.24
Median age	32.7	35.5	7.9	Persons per household	2.67	2.57
Median household income	\$32,359	\$46,132	29.9	Vehicles per household	1.60	1.61
1990 Central County: Milv	vaukee Coun	ty, Wiscons	in			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	959,275	940,164	-2.0	Population per square mile	3,844	3,768
Total households	373,048	377,729	1.2	Households per square mile	1,495	1,514
Total workers	439,449	427,620	-2.8	Workers per square mile	1,761	1,714
Mode to Work			pall april			
Total workers	772,752	816,880		Mode to Work	2000	
Mode	1990 (%)	2000 (%)	2000 (numbers)	Wode to Work	: 2000	
Private vehicle	88.1	90.0	735,025			
Drive alone	77.2	80.1	654,311			Transit
Carpool	10.9	9.9	80,714		ii booi 🤾 🛴	4%
Transit	4.9	4.0	32,841		10%	.,,
Bus	4.8	3.9	31,531	Drove		Other
Subway/Rail	0.0	0.0	368	Alone		3%
Taxi & Ferry Other	0.1	0.1	942	√ 80%		_
Walk	4.8	3.5	28,210		7 w	ork at
Bike	4.0	2.8	22,578			ome
Other means	0.3	0.2	1,842		/ :	3%
Work at home	0.5 2.2	0.5 2.5	3,790 20,804			
Miller Law Colonian of Tableton of Garage Colonian	with Frantisch	2.2 	20,804			
Household Vehicles	1990	2000	Maskina i Willia			
Total household vehicles	963,810	1,062,389		% 0 vehicle households	1990	2000
Vehicles per person	0.60	0.63		% 1 vehicle households	13.4	11.5
Vehicles per household	1.60	1.61		% 2 vehicle households	33.9 37.7	35.4 38.5
Vehicles per worker	1.25	1.30		% 3+ vehicle households	15.1	38.5 14.5
Departure Time to Work				Travel Time to Work		14.5
Total - worked away from home	755,421	796,076		Mean Travel Time	20.0	22.1
50 7					20.0	4.1
	Г	■ 1990	50 -		1 990	
S 40 -		2 000	40 -		1	
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		Departure	es	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



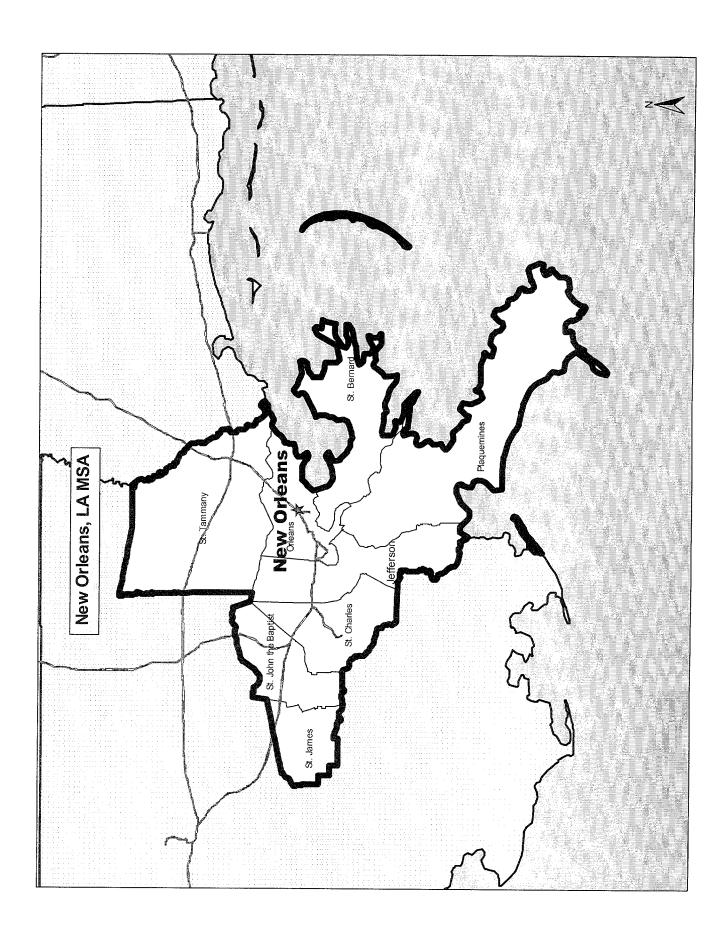
Jo	urney to W	ork Profile	: Minneap	oolisSt. Paul, MNWI MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,538,834	2,968,806	14.5	Population per square mile	419	490
Total households	960,170	1,136,615	15.5	Households per square mile	158	187
Total workers	1,344,797	1,595,550	15.7	Workers per square mile	222	263
Total area (square miles)	6,064	6,064		Workers per person	0.53	0.54
Total household vehicles	1,690,464	2,011,381	16.0	Workers per household	1.40	1.40
Median age	31.6	34.2	7.6	Persons per household	2.64	2.61
Median household income	\$36,565	\$54,304	32.7	Vehicles per household	1.76	1.77
1990 Central County: Her	inepin Count	y, Minnesota				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,032,431	1,116,200	7.5	Population per square mile	1,687	1,824
Total households	419,060	456,129	8.1	Households per square mile	685	745
Total workers	561,081	607,567	7.7	Workers per square mile	917	993
Mode to Work					7 (555) 11 Kg	
Total workers	1,344,797	1,595,550		<u> </u>		
Mode	1990 (%)	2000 (%) 20	00 (numbers)	Mode to Work:	2000	
Private vehicle	87.2	88.4	1,409,937		_	
Drive alone	75.9	78.3	1,249,939		Tra	nsit
Carpool	11.3	10.0	159,998	/ / / / / / / / / / / / / / / / / / /	pool \ \ \ 49	%
Transit	5.2	4.5	71,146		%	
Bus	5.1	4.4	69,659			ther
Subway/Rail	0.0	0.0	278	Drove		3%
Taxi & Ferry	0.1	0.1	1,209	Alone		
Other	4.2	3.4	53,856	79%		
Walk	3.3	2.4	38,897		Worl	
Bike	0.4	0.4	6,973		49/	
Other means	0.5	0.5	7,986		/ **	0
Work at home	3.5	3.8	60,611			
Household Vehicles	1990	2000				
Total household vehicles	1,690,464	2,011,381		% 0 vehicle households	1990	2000
Vehicles per person	0.67	0.68		% 1 vehicle households	9.0	8.1
Vehicles per household	1.76	1.77		% 2 vehicle households	31.2 41.5	31.6
Vehicles per worker	1.26	1.26		% 3+ vehicle households	18.3	42.7 17.6
Departure Time to Work		*		Travel Time to Work	A GERTALIS	in.u
Total - worked away from home	1,298,295	1,534,939		Mean Travel Time	21.2	22.7
50 ¬				TAGE THE	21.2	23.7
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 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



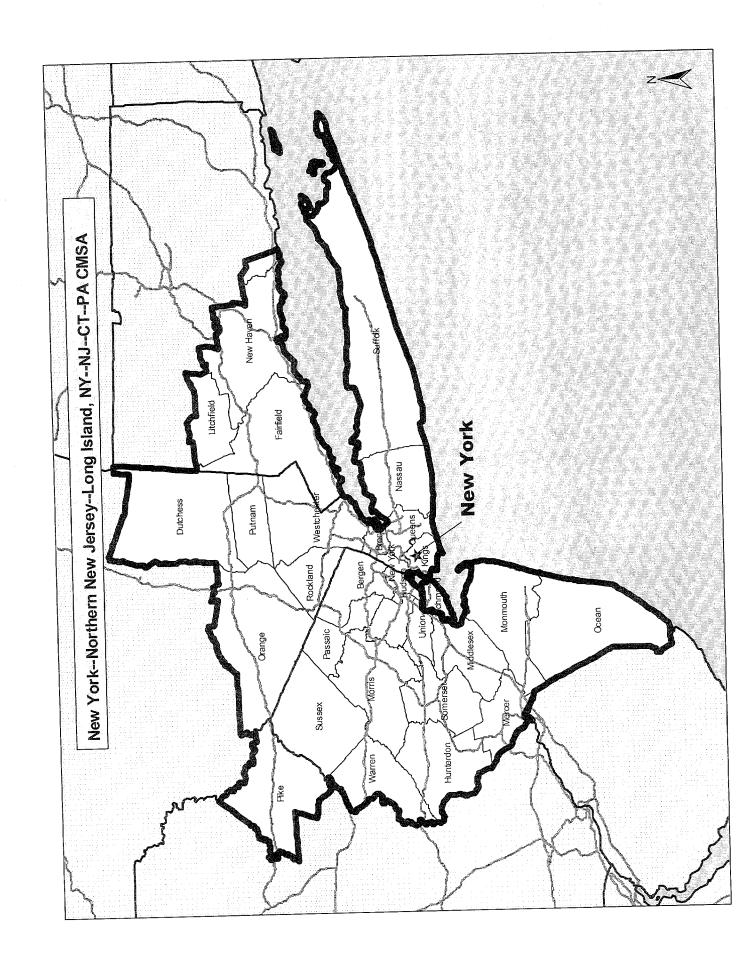
	Jour	ney to Wor	k Profile: I	Nashville, TN MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	985,026	1,231,311	20.0	Population per square mile	242	302
Total households	375,831	479,569	21.6	Households per square mile	92	118
Total workers	495,717	621,221	20.2	Workers per square mile	122	153
Total area (square miles)	4,073	4,073		Workers per person	0.50	0.50
Total household vehicles	665,090	865,327	23.1	Workers per household	1.32	1.30
	32.3	34.5	6.5	Persons per household	2.62	2.57
Median age Median household income	\$30,223	\$44,223	31.7	Vehicles per household	1.77	1.80
1990 Central County: David	Ann - 1888 (1984 - 1974 - 1974)	y, Tennessee				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	510,784	569,891	10.4	Population per square mile	968	1,080
Total households	207,530	237,405	12.6	Households per square mile	393	450
Total workers	261,683	285,980	8.5	Workers per square mile	496	542
Mode to Work						
Total workers	495,717	621,221		Mode to Work	. 2000	
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to work	. 2000	
Private vehicle	92.9	93.5	580,786		. ^	
Drive alone	79.1	80.7	501,284			
Carpool	13.8	12.8	79,502	16	arpool	Transit
Transit	1.7	1.0	5,937		13%	7 1%
Bus	1.6	0.9	5,403	Drove		Other
Subway/Rail	0.0	0.0	63	Alone		2%
Taxi & Ferry	0.1	0.1	471	81%		270
Other	2.8	2.3	14,511	01/0	>>₩.	V14
Walk	1.9	1.5	9,382		Neg-Pergett	Vork at
Bike	0.1	0.1	614		- /	home 3%
			4,515			370
Other means	0.7	0.7				
Work at home	2.6	3.2	19,987			
Household Vehicles	1000	2000			1990	2000
m . 11 1 1 1 1	1990	2000		% 0 vehicle households	8.3	6.5
Total household vehicles	665,090	865,327			32.2	
Vehicles per person	0.68	0.70		% 1 vehicle households	40.8	32.9 41.4
Vehicles per household	1.77	1.80		% 2 vehicle households % 3+ vehicle households	18.8	19.2
Vehicles per worker	1.34	1.39	alsian ayan wa.	Travel Time to Work	10.0	
Departure Time to Work Total - worked away from home	482,975	601,234		Mean Travel Time	22.7	25.8
	402,913	001,234		Wicali Havel Hine		23.0
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		Departu	ues	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



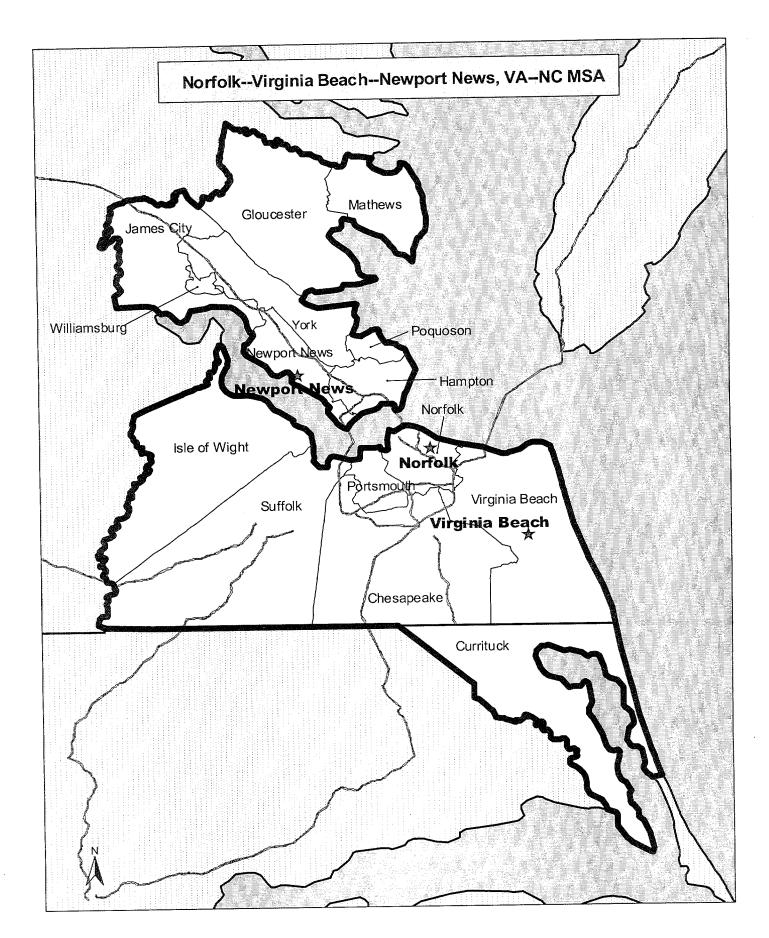
	Journ	ey to Work	Profile: N	ew Orleans, LA MSA		
Demographics	1990	2000	% Change	General Indicators	199	0 2000
Total population	1,285,270	1,337,726	3.9	Population per square mile	37	8 394
Total households	469,823	505,579	7.1	Households per square mile		571
Total workers	531,697	570,423	6.8	Workers per square mile	15	
Total area (square miles)	3,399	3,399		Workers per person	0.4	
Total household vehicles	660,085	734,929	10.2	Workers per household	1.1	
Median age	31.8	34.8	8.6	Persons per household	2.74	
Median household income	\$24,442	\$35,317	30.8	Vehicles per household	1.40	
1990 Central County: Orle	ans Parish, I	ouisiana		is se di in di se di in di di	T. T. Service	vastina varana e
Demographics	1990	2000	% Change	General Indicators	100	
Total population	496,938	484,674	-2.5	Population per square mile	1990	
Total households	188,235	188,251	0.0	Households per square mile	2,326	
Total workers	186,926	188,703	0.9	Workers per square mile	881	
Mode to Work	N shakasa			workers per square mile	875	883
Total workers	531,697	570,423				
Mode	1990 (%)	•	00 (1	Mode to Wor	k: 2000	
Private vehicle	86.3	87.7	00 (numbers)		~	
Drive alone	70.9	73.0	499,997			Transit
Carpool	15.4	14.6	416,450	/ TED A. The EXCEL AN EX-11 %	pool	6%
Transit	7.1	5.6	83,547		5%	070
Bus	6.7	5.0 5.2	31,946			
Subway/Rail			29,686			Other
Taxi & Ferry	0.0 0.4	0.0	127	Drove		4%
Other		0.4	2,133	Alone		
Walk	4.9 3.1	4.3	24,729	73%	77	Work at
Bike	0.5	2.7	15,526		/	home
Other means	1.3	0.6	3,353			2%
Work at home	1.3	1.0	5,850			
terminal and the second	1./ 180 2 A. Maria 200	2.4	13,751			
Household Vehicles						
T . 11	1990	2000			1990	2000
Total household vehicles	660,085	734,929		% 0 vehicle households	18.1	15.3
Vehicles per person	0.51	0.55		% 1 vehicle households	37.1	38.7
Vehicles per household	1.40	1.45		% 2 vehicle households	33.9	34.8
Vehicles per worker	1.24	1.29		% 3+ vehicle households	10.9	11.2
Departure Time to Work		isali		Travel Time to Work		
Total - worked away from home	522,522	556,672		Mean Travel Time	24.3	26.7
50 7			50 7			
40		1990				i
S 40 -		1 2000	40 -		1990	
ž 30	# -	2000	kers		2 000	
of of the state of	#		30 -			
20	H		of			
Percent of workers	#		Percent of workers			
			Per 10			
5 - 6:59 AM 7 - 8:29 A	M 8:30 - 9:59 A	M All Od	0 +			
7 0.27 A	v.5u - 3.53 A	M All Other Departures		< 15 15 - 29 30 - 44	45 - 59	60 or more
k 1000 N/- 31				Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



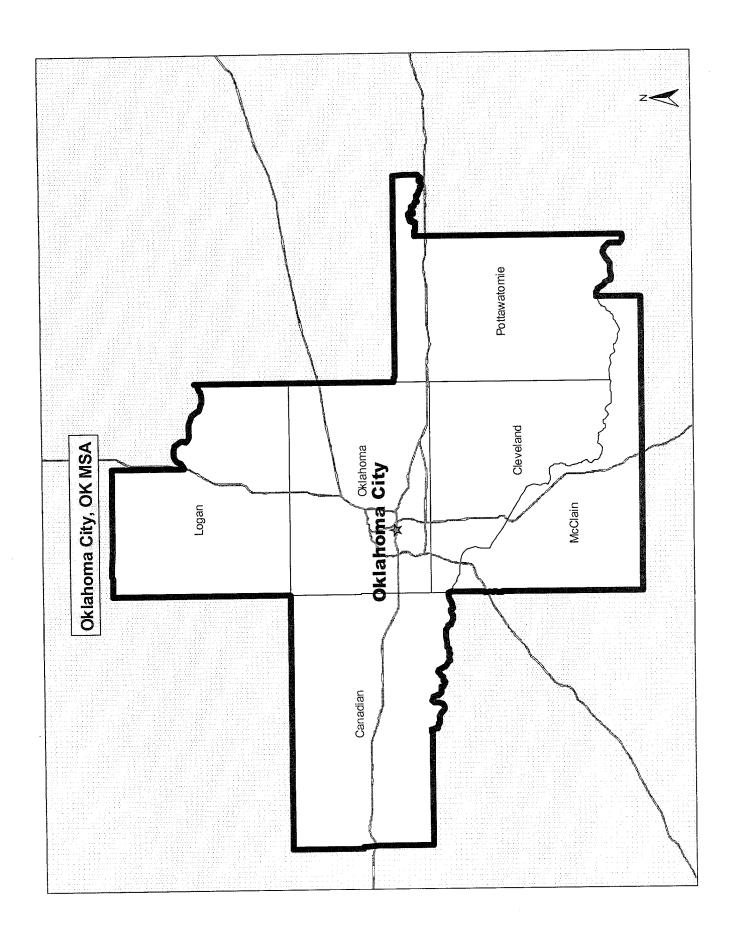
Journey to Work Pi	rofile: New	York-Nor	thern New	JerseyLong Island, NYI	VJ-CT-P	4 CMS4
Demographics	1990	2000	% Change		1990	2000
Total population	19,549,649	21,199,865	7.8	Population per square mile	1923	
Total households	7,158,586	7,735,264	7.5	Households per square mile		2085
Total workers	9,271,089	9,319,218	0.5	Workers per square mile	704	761
Total area (square miles)	10,166	10,166		Workers per square fifte	912	917
Total household vehicles	9,123,943	9,743,069	6.4	Workers per household	0.47	0.44
Median age	34.3	35.9	4.5	Persons per household	1.30	1.20
Median household income	\$38,445	\$50,795	24.3	Vehicles per household	2.73 1.27	2.74
1990 Central County: Nev	v York Coun	ty, New York		have the first throughout	1.27 Sprik di ibra	1.26
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,487,536	1,537,195	3.2	Population per square mile	· ·	2000
Total households	716,422	738,644	3.0	Households per square mile	65,275	67,454
Total workers	754,148	753,114	-0.1	Workers per square mile	31,437	32,412
Mode to Work			J	From the William Research to the second second	33,093	33,047
Total workers	9,271,089	9,319,218				
Mode	1990 (%)		000 (numbers)	Mode to Work	: 2000	
Private vehicle	65.8	65.7	6,121,044		Tran	sit
Drive alone	55.4	56.3	5,246,331	Carpool	259	6
Carpool	10.4	9.4	874,713	Carpoon V		
Transit	24.8	24.9	2,320,155			
Bus	7.2	6.8	637,273			Other
Subway/Rail	16.7	17.1	1,596,080			6%
Taxi & Ferry	0.9	0.9	86,802			
Other	7.0	6.4	600,869	Drove II		1
Walk	6.2	5.6	517,290	Alone	7 Wo	rk at
Bike	0.2	0.3	27,827	57%		me
Other means	0.6	0.6	55,752		\mathcal{I} 3	%
Work at home	2.4	3.0	277,150		•	
Household Vehicles				and the second s		
	1990	2000				
Total household vehicles	9,123,943	9,743,069		0/ 0 1 1 1 1 1 1 1	1990	2000
Vehicles per person	0.47	0.46		% 0 vehicle households	29.0	28.7
Vehicles per household	1.27	1.26		% 1 vehicle households % 2 vehicle households	31.8	32.4
Vehicles per worker	0.98	1.05		% 3+ vehicle households	27.0	28.0
Departure Time to Work					12.1	11.0
Total - worked away from home	9,051,858	9,042,068		Travel Time to Work		
50 7	2,031,030	7,042,008		Mean Travel Time	30.0	34.0
			50 7			
40 -		1990			1990	
ker ker		1 2000	- 40 ج		= 2000	}
0 30 -			530 -			
Percent of workers	##		f w			
1 20 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H		,			
² 10 -			Percent of workers			
			<u> </u>			
5 - 6:59 AM 7 - 8:29 A	AM 8:30 - 9:59 A			< 15 15 - 29 30 - 44	45 - 59 60	or more
		Departures		Minutes		
						1

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



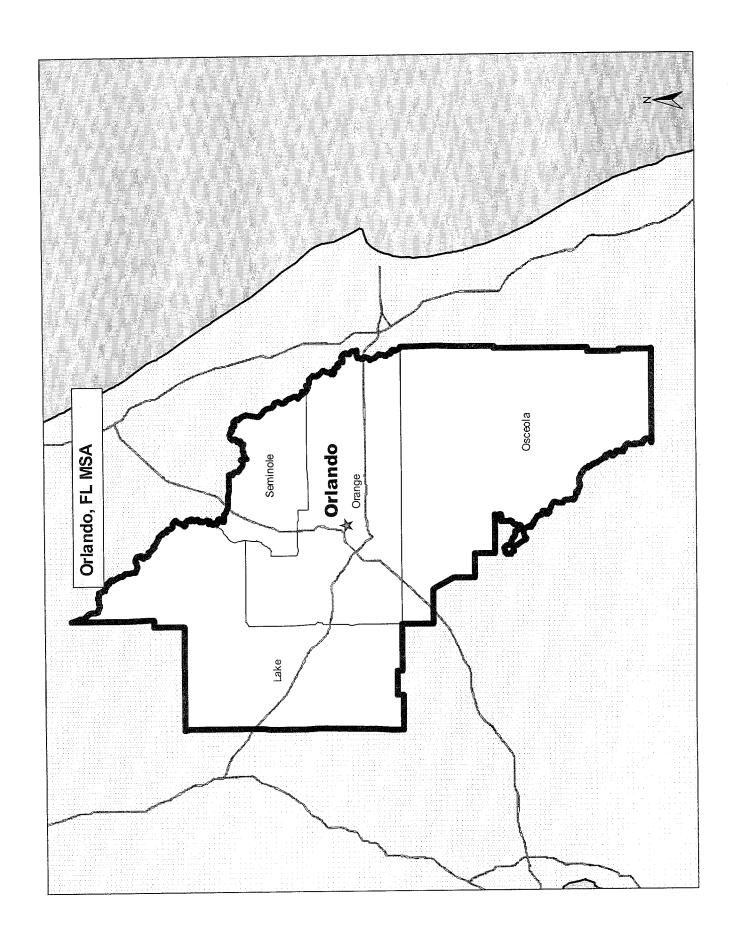
Journey to W	Vork Prof	ile: Norfolk	Virginia	Beach-Newport News, VA-	-NC MSA	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,443,244	1,569,541	8.0	Population per square mile	615	668
Total households	511,136	577,659	11.5	Households per square mile	218	246
Total workers	720,890	760,401	5.2	Workers per square mile	307	324
Total area (square miles)	2,349	2,349		Workers per person	0.50	
Total household vehicles	864,446	1,003,102	13.8	Workers per household	1.41	0.48
Median age	29.7	33.6	11.6	Persons per household	2.82	1.32
Median household income	\$30,841	\$42,448	27.3	Vehicles per household	2.82 1.69	2.72 1.74
1990 Central County: Norfo	olk city, Vir	ginia 📰 🕞				1.74
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	261,229	234,403	-11.4	Population per square mile		2000
Total households	89,478	86,210	-3.8	Households per square mile	5,407	4,852
Total workers	130,549	112,083	-16.5	Workers per square mile	1,852 2,702	1,784
Mode to Work	THEF		Hibi yi d	Horizota per aquare mine	2,702 Deter ev exerci	2,320
Total workers	720,890	760,401	Palahai A. T			
Mode	1990 (%)	•	00 (numbers)	Mode to Work	2000	
Private vehicle	87.0	91.0	691,679		_	
Drive alone	72.7	78.9	599,693		A. Marine	1
Carpool	14.3	12.1	91,986	//Ca	rboot. X -	ansit
Transit	2.2	1.9	14,240		2%	2%
Bus	2.0	1.7	13,023			Other
Subway/Rail	0.0	0.0	175	Drove		4%
Taxi & Ferry	0.0	0.0	1,042	Alone	! !!!	7/0
Other	5.6	4.5		79%		
Walk	3.6	2.7	34,140		/ Worl	c at
Bike	0.5	0.3	20,339		hon hon	ne
Other means	1.4	1.5			3%	ó
Work at home	5.3	2.7	11,409 20,342			
Household Vehicles		en en en en en en en en en en en en en e	20,342		egen and the community and a	
TOUSEHOLD YEARCLES	1990	2000				
Total household vehicles	864,446	1,003,102		0/0 1:11	1990	2000
Vehicles per person				% 0 vehicle households	9.8	8.7
Vehicles per household	0.60 1.69	0.64 1.74	•	% 1 vehicle households	33.4	33.2
Vehicles per worker	1.20	1.74		% 2 vehicle households	40.1	40.1
Departure Time to Work	442500	1.32		% 3+ vehicle households	16.7	18.1
Total - worked away from home	682,931	740,059		Travel Time to Work Mean Travel Time		
50 7		7 10,033		ivicali Travel Timle	21.8	24.1
	r		50 7			
40 -		1990	40 -	· · · · · · · · · · · · · · · · · · ·	■ 1990	
· · · · · · · · · · · · · · · · · · ·			11 40 4		□2000	
trkers		2 000	SE		L 2000	•
workers		= 2000	orkers		L 2000	
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30 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -		2000	ont of workers		L 2000	
of workers		2000	ercent of workers		1 2000	
30 - ot work est		2000	Percent of workers			
30 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -		2000	Percent of workers		2000	
Percent of workers 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10			Percent of workers	< 15 15 - 29 30 - 44		or more

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



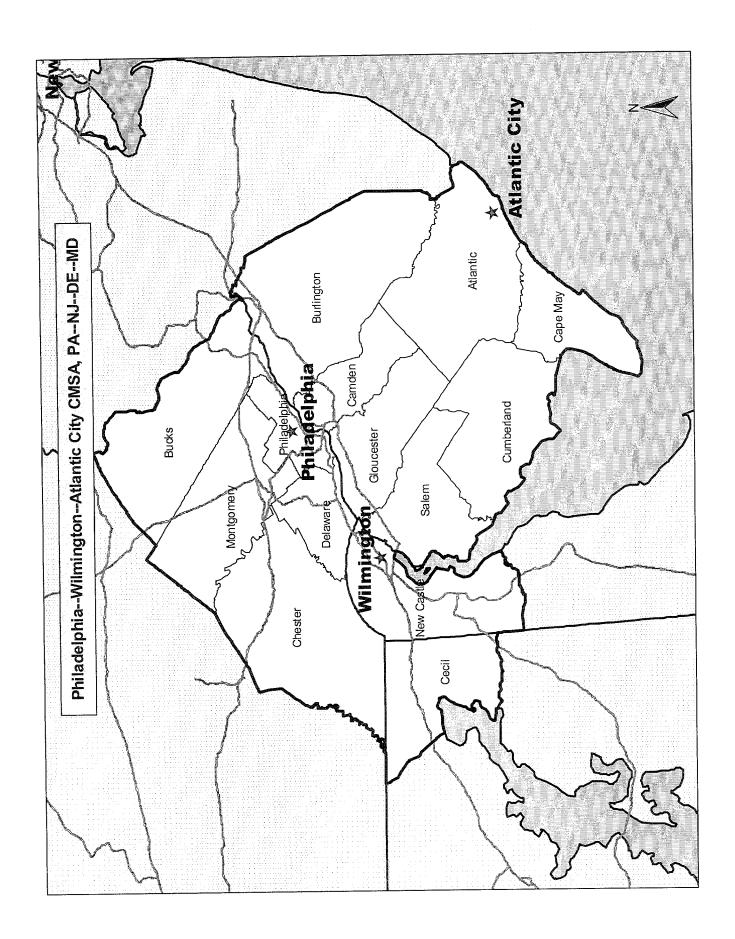
	Journey	to Work	Profile: Ok	lahoma City, OK MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	958,839	1,083,346	11.5	Population per square mile	226	255
Total households	367,775	424,764	13.4	Households per square mile	87	100
Total workers	450,122	509,262	11.6	Workers per square mile	106	120
Total area (square miles)	4,248	4,248		Workers per person	0.47	0.47
Total household vehicles	642,188	736,668	12.8	Workers per household	1.22	1.20
Median age	31.8	34.1	6.8	Persons per household	2.61	2.55
Median household income	\$26,883	\$36,797	26.9	Vehicles per household	1.75	1.73
1990 Central County: Okla	homa Count	v. Oklahoma				1.75
Demographics	1990	2000	% Change	General Indicators	1000	
Total population	599,611	660,448	9.2	Population per square mile	1990	2000
Total households	237,879	266,834	10.9	_	854	941
Total workers	281,207	305,058	7.8	Households per square mile Workers per square mile	339 401	380
Mode to Work				Workers per square fille	401	435
Total workers	450,122	509,262	72 - 194 - (*188) 1			
Mode	1990 (%)		000 (1)	Mode to Work	: 2000	
Private vehicle	93.6	93.8	000 (numbers)			
Drive alone	80.3	81.8	477,661		\	
Carpool	13.3	12.0	416,324			
Transit	0.7	0.6	61,337	// // // // // // // // // // // // //	arpool	Transit
Bus	0.7	0.5	3,071		12%	1%
Subway/Rail	0.0		2,375	Drove	N. N. R. J. S.	Other
Taxi & Ferry	0.0	0.0	79	Alone		3%
Other	3.2	0.1	617	81%	***************************************	_
Walk	2.1	2.8	14,086		7 w	ork at
Bike	0.2	1.7 0.2	8,575		/ h	ome
Other means	0.2	0.2	1,041			3%
Work at home	2.5	2.8	4,470 14,444			
	- Francis de	2.0	14,444			
Household Vehicles	ABETTA				Påren-	
Total havened all all 1	1990	2000			1990	2000
Total household vehicles	642,188	736,668		% 0 vehicle households	6.8	6.7
Vehicles per person Vehicles per household	0.67	0.68		% 1 vehicle households	34.9	36.2
Vehicles per worker	1.75 1.43	1.73		% 2 vehicle households	41.0	40.4
1984-dec (2019)	1.43	1.45		% 3+ vehicle households	17.3	16.7
Departure Time to Work Total - worked away from home			e stoas k	Travel Time to Work		
1 Otal - worked away from home	438,861	494,818		Mean Travel Time	20.3	22.0
30 - 40 - 40 - 40 - 40 - 40 - 40 - 40 -		1990 2000	Percent of workers			 ,
		Departures	And the second s	< 15 15 - 29 30 - 44 Minutes	45 - 59	60 or more

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



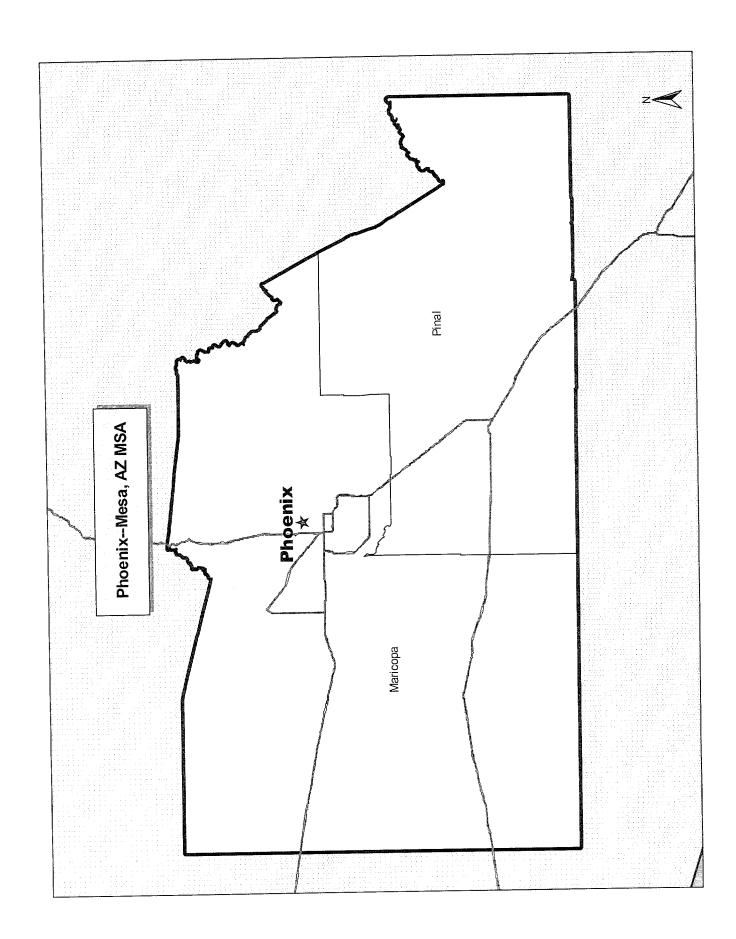
	Jou	rney to Wo	ork Profile:	Orlando, FL MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,224,852	1,644,561	25.5	Population per square mile	351	471
Total households	465,275	625,248	25.6	Households per square mile	133	179
Total workers	614,382	786,243	21.9	Workers per square mile	176	225
Total area (square miles)	3,491	3,491		Workers per person	0.50	0.48
Total household vehicles	790,524	1,057,218	25.2	Workers per household	1.32	1.26
Median age	32.1	35.3	9.1	Persons per household	2.63	2.63
Median household income	\$31,230	\$41,871	25.4	Vehicles per household	1.70	1.69
1990 Central County: Ora	nge County,	Florida 🕒				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	677,491	896,344	24.4	Population per square mile	667	882
Total households	254,852	336,286	24.2	Households per square mile	251	331
Total workers	356,271	439,323	18.9	Workers per square mile	351	432
Mode to Work						
Total workers	614,382	786,243	1751 15			
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work	: 2000	
Private vehicle	91.4	92.7	728,609	· · · · · · · · · · · · · · · · · · ·		
Drive alone	78.0	80.6	633,497			
Carpool	13.4	12.1	95,112			
Transit	1.4	1.7	13,323	/	arpool	Transit 2%
Bus	1.3	1.6	12,319	Drove	12/0	i
Subway/Rail	0.0	0.0	220	Alone		Other
Taxi & Ferry	0.1	0.1	784	80%		3%
Other	5.1	2.8	21,804			<u> </u>
Walk	3.4	1.3	10,166			ork at
Bike	0.6	0.4	3,332		/ '	nome
Other means	1.1	1.1	8,306			376
Work at home	2.0	2.9	22,507			İ
Household Vehicles						
Tr., 11 1 1 1 1 1 1	1990	2000			1990	2000
Total household vehicles	790,524	1,057,218		% 0 vehicle households	6.7	6.2
Vehicles per person Vehicles per household	0.65	0.64		% 1 vehicle households	37.2	37.8
Vehicles per worker	1.70 1.29	1.69		% 2 vehicle households	40.7	41.5
	1.29	1.34	eranda olgonia	% 3+ vehicle households	15.4	14.5
Departure Time to Work Total - worked away from home	602,100	762 726		Travel Time to Work	444	
	002,100	763,736		Mean Travel Time	22.8	27.0
50			50 7			
40 -		1990	1		1990	
kers		2 000	2 ⁴⁰		2 000	
IO _M 30 −			l size			
Jo and the state of the state o			f w(
Second of workers			# Sp 20 -			İ
a 10 -	H		Percent of workers			
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			± ↓ ₀ ↓ !			
5 - 6:59 AM 7 - 8:29 A	AM 8:30 - 9:59		[]	< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departures	•	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



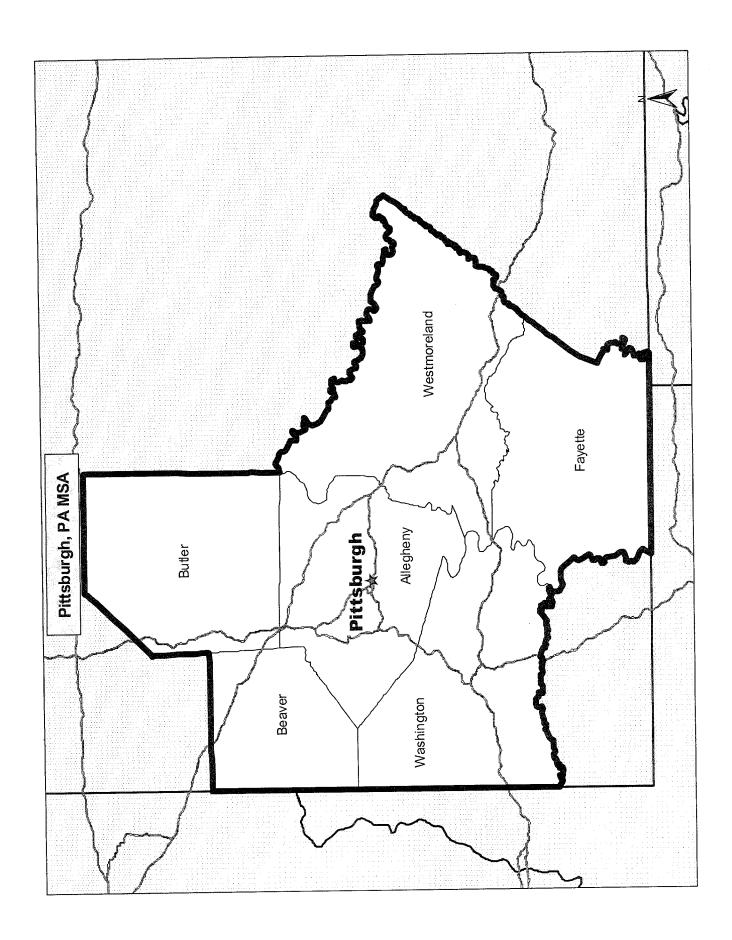
Journey to Work	Profile: P	niladelphia	Wilming	tonAtlantic City, PANJ	DEMD	CMSA
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	5,892,937	6,188,463	4.8	Population per square mile	993	1043
Total households	2,160,142	2,320,719	6.9	Households per square mile	364	391
Total workers	2,784,581	2,815,405	1.1	Workers per square mile	469	474
Total area (square miles)	5,936	5,936		Workers per person	0.47	0.45
Total household vehicles	3,221,819	3,515,117	8.3	Workers per household	1.29	1.21
Median age	33.6	36.4	7.7	Persons per household	2.73	2.67
Median household income	\$35,797	\$47,528	24.7	Vehicles per household	1.49	1.51
1990 Central County: Phi	ladelphia Co	untv. Pennsv	Ivania			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,585,577	1,517,550	-4.5	Population per square mile	10,809	2000 10,345
Total households	603,075	590,071	-2.2	Households per square mile	4,111	4,023
Total workers	640,577	569,761	-12.4	Workers per square mile	4,367	3,884
Mode to Work	X-12			rate of the cast	7,507	3,00 4
Total workers	2,784,581	2,815,405		<u> 1981 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980</u> Indiana de la companya de la companya de la companya de la companya de la companya de la companya de la companya	:	
Mode	1990 (%)		000 (numbers)	Mode to Work	: 2000	
Private vehicle	81.3	83.6	2,352,967		Tr	ansit
Drive alone	69.1	73.3	2,063,269	Carpo	ol S)%
Carpool	12.1	10.3	289,698	10%)
Transit	10.2	8.7	245,909			
Bus	6.1	5.3	149,248			Other
Subway/Rail	4.0	3.3	93,360	Drove		5%
Taxi & Ferry	0.1	0.1	3,300	Alone		
Other	6.3	4.9	136,712	73%		-
Walk	5.3	3.9	109,264		/ W	ork at
Bike	0.3	0.3	9,402		/ I	iome
Other means	0.7	0.6	18,046			3%
Work at home	2.2	2.8	79,817			
Household Vehicles		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				
	1990	2000		현대선의 작소를 하는데 보기하기 위한다.		
Total household vehicles	3,221,819	3,515,117		0/0 1:11	1990	2000
Vehicles per person	0.55	0.57		% 0 vehicle households	17.0	15.3
Vehicles per household	1.49	1.51		% 1 vehicle households % 2 vehicle households	35.0	35.6
Vehicles per worker	1.16	1.25		% 3+ vehicle households	34.7	36.1
Departure Time to Work					13.2	12.9
Total - worked away from home	2,722,107	2,735,588		Travel Time to Work		
50 7	2,722,107	2,733,300		Mean Travel Time	24.0	27.9
			50 7			
40 -	##	1990			1990	
kers		2 000	240 √	Photography .	= 2000	
M 30 -	 		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
Percent of workers	##		Percent of workers			
20 -	#		∓			
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			# ~ 10 1		EHHI.	
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		Departure	S	Minutes		

 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



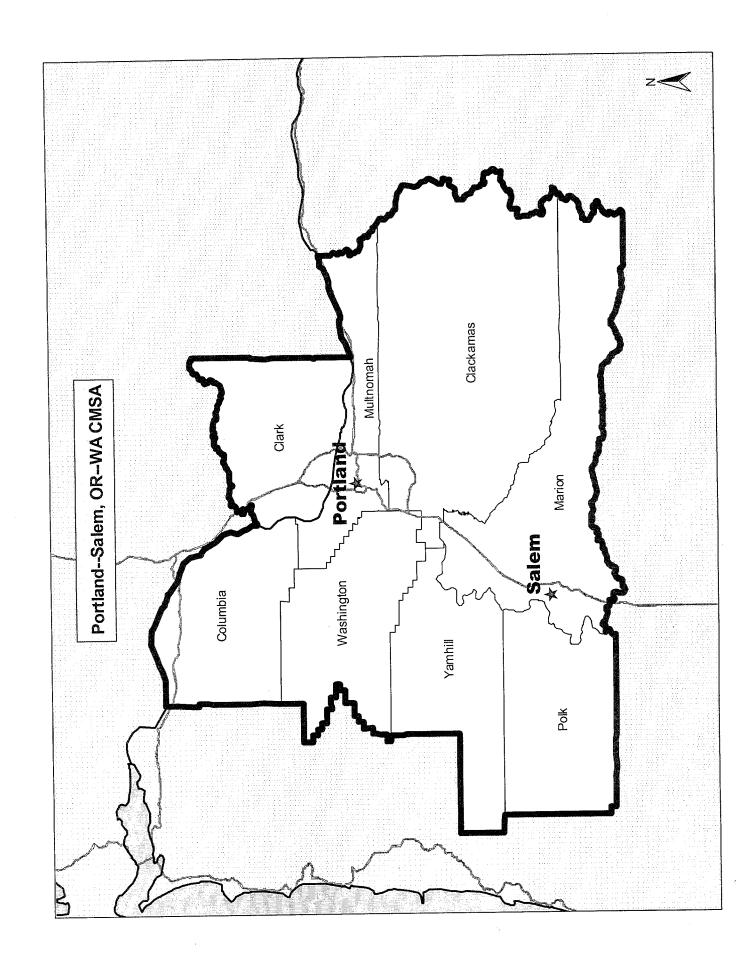
	. Journe	y to Work 1	Profile: Ph	oenixMesa, AZ MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,238,480	3,251,876	31.2	Population per square mile		
Total households	846,714	1,194,250	29.1	Households per square mile	154	223
Total workers	1,036,017	1,466,434	29.4	Workers per square mile	58 71	82
Total area (square miles)	14,574	14,574		Workers per person	0.46	101
Total household vehicles	1,403,925	1,992,363	29.5	Workers per household	- · · · -	0.45
Median age	32.0	33.2	3.6	Persons per household	1.22 2.64	1.23
Median household income	\$30,797	\$44,752	31.2	Vehicles per household	1.66	2.72 1.67
1990 Central County: M	aricopa Count	v. Arizona				
Demographics	1990	2000	% Change	General Indicators	1000	
Total population	2,122,101	3,072,149	30.9	Population per square mile	1990	2000
Total households	807,560	1,132,886	28.7	Households per square mile	231	334
Total workers	996,495	1,406,442	29.1	Workers per square mile	88 108	123
Mode to Work			He Bis over	and the trace and trace	TVO	153
Total workers	1,036,017	1,466,434	i. 1991			
Mode	1990 (%)		00 (numbers)	Mode to Work:	2000	
Private vehicle	89.5	90.0	1,319,588			
Drive alone	74.9	74.6	1,094,591		, T-	ansit
Carpool	14.5	15.3	224,997	Carpo	JOI 7	ansit
Transit	2.1	2.0	29,581	/ 159	6	270
Bus	1.9	1.9	27,497			Other
Subway/Rail	0.0	0.0	702	Drove		4%
Taxi & Ferry	0.1	0.0	1,382	Alone		
Other	5.6	4.3	63,566	75%		1
Walk	2.7	2.1	30,577		100	rk at
Bike	1.4	0.9	13,855			me
Other means	1.5	1.3	19,134		/ 4	%
Work at home	2.9	3.7	53,699			
Household Vehicles				The second secon	Programme of the Section	(107m) - (170) - Sa
	1990	2000	SANSE (LITTLE			
Total household vehicles	1,403,925	1,992,363		% 0 vehicle households	1990	2000
Vehicles per person	0.63	0.61		% 1 vehicle households	7.2	6.9
Vehicles per household	1.66	1.67		% 2 vehicle households	39.3 38.9	38.8
Vehicles per worker	1.36	1.36		% 3+ vehicle households	14.6	39.9 14.3
Departure Time to Work				Travel Time to Work	17.0	14.3 - Taga wa 143
Total - worked away from home	1,005,946	1,412,735		Mean Travel Time	12.0	
50 n				Wiedli Havel Time	23.0	26.1
	_		50]			Í
40 -	į.	1990	40 -		1990	
orke		2000			日 2000	
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Percent of working of the state	###		Percent of workers			
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5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59 A	AM All Other Departures			45 - 59 60	or more
		Departures		Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



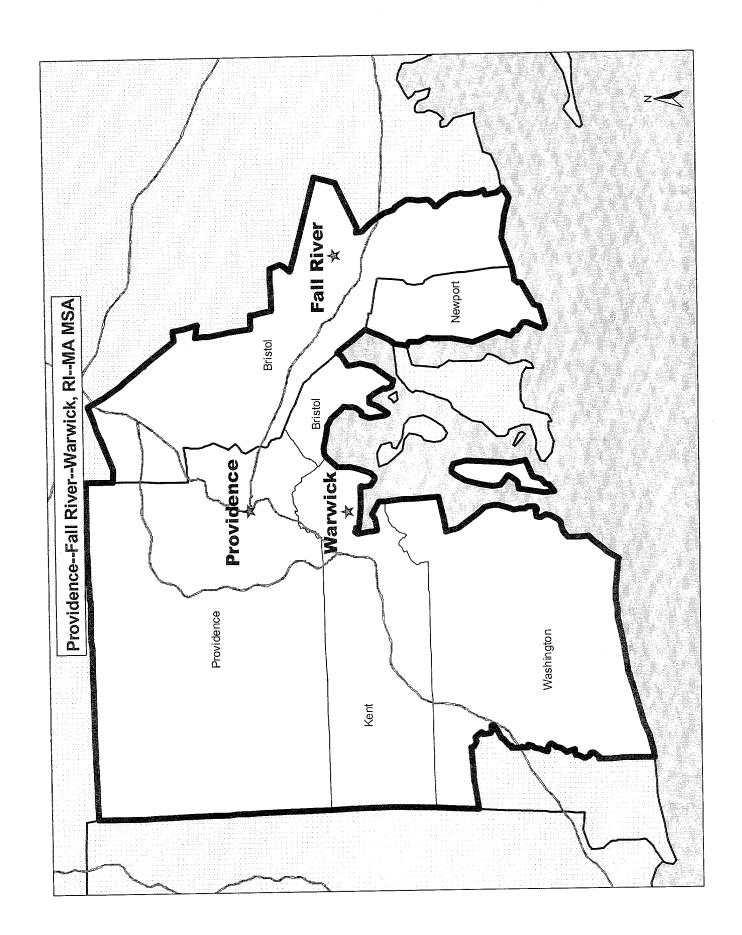
	Jour	ney to Wor	k Profile: P	ittsburgh, PA MSA	s Sakarata	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,394,811	2,358,695	-1.5	Population per square mile	518	510
Total households	947,248	966,500	2.0	Households per square mile	205	209
Total workers	1,023,825	1,057,354	3.2	Workers per square mile	203	209
Total area (square miles)	4,624	4,624		Workers per person	0.43	0.45
Total household vehicles	1,391,924	1,497,129	7.0	Workers per household	1.08	1.09
Median age	36.9	40.0	7.8	Persons per household	2.53	2.44
Median household income	\$26,501	\$37,467	29.3	Vehicles per household	1.47	1.55
1990 Central County: Alle	egheny Count	y, Pennsylvar	iia .			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,336,449	1,281,666	-4.3	Population per square mile	1,830	1,755
Total households	541,261	537,150	-0.8	Households per square mile	741	736
Total workers	595,405	582,362	-2.2	Workers per square mile	816	798
Mode to Work						1 1454 ATT 15144
Total workers	1,023,825	1,057,354				
Mode	1990 (%)		00 (numbers)	Mode to Work:	2000	
Private vehicle	84.7	87.1	921,463			
Drive alone	72.0	77.4	818,396		Tr	ansit
Carpool	12.7	9.7	103,067	/ Carp	1	5%
Transit	7.4	6.2	65,345	/ 109		
Bus	7.2	6.0	63,043			
Subway/Rail	0.2	0.1	1,377	Drove		Other
Taxi & Ferry	0.2	0.1	925	Alone		4%
Other	5.7	4.2	44,804	78%		۱ ا
Walk	5.0	3.6	37,817		/ Wo	rk at
Bike	0.1	0.1	1,154		/ ho	me
Other means	0.6	0.6	5,833		/ 2	%
Work at home	2.1	2.4	25,742			
		Danisa Jaka Araba	23,742			
Household Vehicles						
Total household vehicles	1990	2000			1990	2000
Vehicles per person	1,391,924	1,497,129		% 0 vehicle households	16.0	12.9
Vehicles per household	0.58 1.47	0.63 1.55		% 1 vehicle households	37.3	37.0
Vehicles per worker	1.47	1.42		% 2 vehicle households	34.4	36.9
		1.4Z	do april de prove evenio	% 3+ vehicle households	12.3	13.1
Departure Time to Work Total - worked away from home			Article (Tri	Travel Time to Work		
	1,002,081	1,031,612		Mean Travel Time	22.5	25.3
50			50 ¬			
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Percent of workers	##		ker		2000	
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t 20 -			A 520			
L L L L L L L L L L L L L L L L L L L	##		Nercent of workers			
10 -			210 d			
5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59	AM All Other	,	< 15 15 - 29 30 - 44	45 - 59 6	or more
		Departures		Minutes	ان رو د.	of likely

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



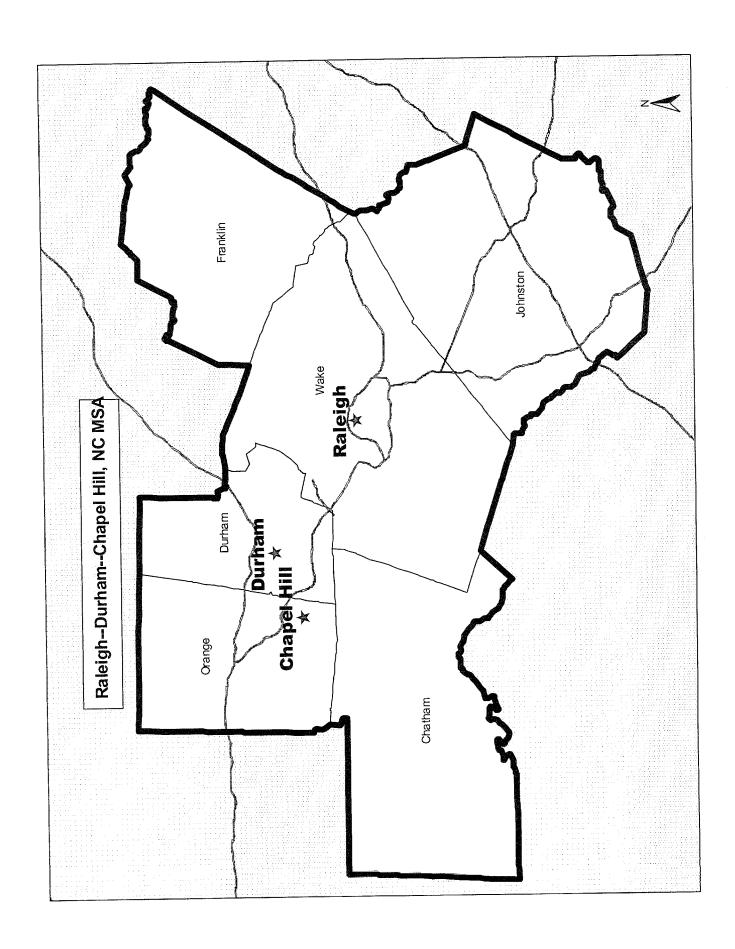
	ourney to '	Work Profi	le: Portlan	dSalem, ORWA CMSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population Total households	1,793,476 691,102	2,265,223 866,475	20.8 20.2	Population per square mile Households per square mile	258	326
Total workers	861,141	1,105,133	22.1	Workers per square mile	99 124	125
Total area (square miles)	6,954	6,954		Workers per person	0.48	159
Total household vehicles	1,232,514	1,542,289	20.1	Workers per household	1.25	0.49
Median age	33.8	34.7	2.6	Persons per household	2.60	1.28 2.61
Median household income	\$31,071	\$46,090	32.6	Vehicles per household	1.78	1.78
1990 Central County: Mu	ltnomah Cou	nty. Oregon				T.70
Demographics	1990	2000	% Change	General Indicators	1990	3000
Total population	583,887	660,486	11.6	Population per square mile	1,213	2000
Total households	242,140	272,098	11.0	Households per square mile	503	1,372 565
Total workers	286,600	335,182	14.5	Workers per square mile	595	696
Mode to Work						OPO
Total workers	861,141	1,105,133				
Mode	1990 (%)		00 (numbers)	Mode to Work	: 2000	
Private vehicle	86.5	85.2	941,376		Tran	sit
Drive alone	73.8	73.1	808,080	Carpo	ool 6%	5
Carpool	12.7	12.1	133,296	12%		
Transit	4.8	5.7	63,126			Other
Bus	4.6	5.1	56,675			5%
Subway/Rail	0.1	0.5	5,969	Drove		
Taxi & Ferry	0.1	0.0	482	Alone		1
Other	4.9	4.5	49,792	72%	\sim \sim \sim \sim \sim \sim \sim \sim \sim \sim	rk at
Walk	3.4	3.0	32,949			me
Bike	0.6	0.8	8,390		5'	%
Other means	0.9	0.8	8,453		7	
Work at home	3.8	4.6	50,839			
Household Vehicles	1990	2000	: *16			
Total household vehicles		1,542,289		0/ 0	1990	2000
Vehicles per person	0.69	0.68		% 0 vehicle households % 1 vehicle households	8.5	7.9
Vehicles per household	1.78	1.78		% 2 vehicle households	32.3 39.6	33.1
Vehicles per worker	1.43	1.40		% 3+ vehicle households	19.6	40.1 18.9
Departure Time to Work			e. Waliota in	Travel Time to Work		10.9
Total - worked away from home	828,156	1,054,294		Mean Travel Time	21.5	24.4
50 ¬		v		The state of the s	21.5	
	<u></u>		50 7			
و ⁴⁰ ا	111 1 /	1990	40	**************************************	■ 1990	
30 - 30 -		1 2000			2 000	
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) ig 20 - 20 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	##		- fo 30			
Percent of workers			Percent of workers			
10 -			<u>5</u> 10 −			
5 - 6:59 AM 7 - 8:29 J	AM 8:30 - 9:59 A	AM All Other	0 + 15	< 15 15 - 29 30 - 44	45 - 59 60	or more
		Departures		Minutes	73 - J7 DU	от пюге

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



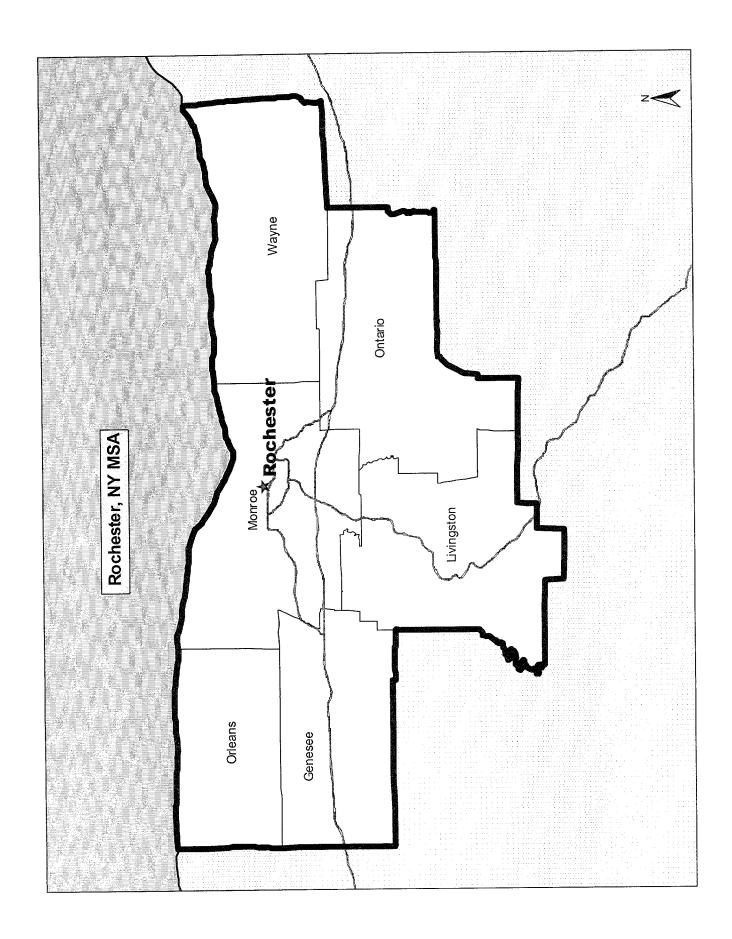
Demographics	to Work P	2000	% Change	General Indicators	1000	
Total population					1990	2000
Total households	1,134,350	1,188,613	4.6	Population per square mile	1205	1263
Total workers	427,269	462,064	7.5	Households per square mile	454	491
Total workers Total area (square miles)	540,872	555,540	2.6	Workers per square mile	575	590
Total household vehicles	941	941		Workers per person	0.48	0.47
Median age	708,979	739,952	4.2	Workers per household	1.27	1.20
Median household income	34.0	36.8	7.6	Persons per household	2.65	2.57
	\$31,858	\$41,748	23.7	Vehicles per household	1.66	1.60
1990 Central County: Pro		and the second of the second o	and -			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	596,270	621,602	4.1	Population per square mile	1,393	1,452
Total households	226,362	239,936	5.7	Households per square mile	529	560
Total workers	276,405	276,324	0.0	Workers per square mile	646	645
Mode to Work						
Total workers	540,872	555,540			y a second	
Mode	1990 (%)		000 (numbers)	Mode to Work	2000	
Private vehicle	90.9	91.3	507,101			
Drive alone	78.6	80.7	448,228			
Carpool	12.3	10.6	58,873	//	rpool	ransit
Transit	2.6	2.5	13,774		1% \\ \[\]	2%
Bus	2.0	1.7	9,477			
Subway/Rail	0.5	0.7	3,686	Drove Alone	MERCE 1000 1000 1000 1000 1000 1000 1000 10	Other
Taxi & Ferry	0.1	0.1	611	81%		4%
Other	4.7	4.1	23,046	\		
Walk	3.9	3.3	18,240		/ Worl	
Bike	0.2	0.2	1,332		hon	
Other means	0.7	0.6	3,474		2%	6
Work at home	1.7	2.1	11,619			
Household Vehicles	1000				-10 min - 10	
Total household vehicles	1990	2000			1990	2000
	708,979	739,952		% 0 vehicle households	11.4	11.4
Vehicles per person Vehicles per household	0.63 1.66	0.62 1.60		% 1 vehicle households	34.8	36.3
	1.00	1.00				38.1
Vehicles per worker	1 2 1			% 2 vehicle households	37.3	
Vehicles per worker	1.31	1.33	in special as the constant	% 3+ vehicle households	37.3 16.5	14.2
Departure Time to Work		1.33		% 3+ vehicle households Travel Time to Work		
Departure Time to Work Total - worked away from home	1.31 531,460			% 3+ vehicle households		
Departure Time to Work		1.33	50	% 3+ vehicle households Travel Time to Work	16.5	14.2
Departure Time to Work Total - worked away from home	531,460	1.33	50]	% 3+ vehicle households Travel Time to Work	19.6	14.2
Departure Time to Work Total - worked away from home	531,460	1.33 543,921	40 -	% 3+ vehicle households Travel Time to Work	19.6	14.2
Departure Time to Work Total - worked away from home	531,460	1.33	40 -	% 3+ vehicle households Travel Time to Work	19.6	14.2
Departure Time to Work Total - worked away from home	531,460	1.33 543,921	40 -	% 3+ vehicle households Travel Time to Work	19.6	14.2
Departure Time to Work Total - worked away from home	531,460	1.33 543,921	40 -	% 3+ vehicle households Travel Time to Work	19.6	14.2
Departure Time to Work Total - worked away from home 50 40 40 20 20	531,460	1.33 543,921	40 -	% 3+ vehicle households Travel Time to Work	19.6	14.2
Departure Time to Work Total - worked away from home	531,460	1.33 543,921		% 3+ vehicle households Travel Time to Work	19.6	14.2
Departure Time to Work Total - worked away from home 50 40 40 20 20 10	531,460	1.33 543,921	Percent of workers	% 3+ vehicle households Travel Time to Work	19.6	14.2
Departure Time to Work Total - worked away from home 50 40 30 20 20	531,460	1.33 543,921 1990 2000	40 -	% 3+ vehicle households Travel Time to Work	16.5 19.6 ■ 1990 ■ 2000	14.2

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



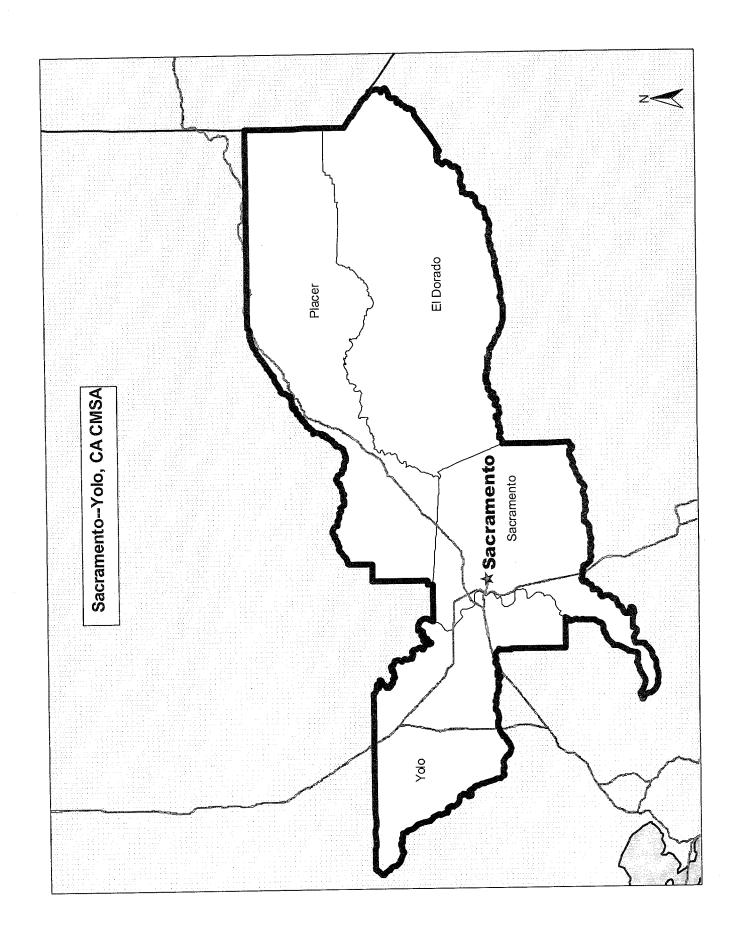
Jour	ney to Wo	k Profile	: RaleighD	ourhamChapel Hill, NC M	SA	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	855,545	1,187,941	28.0	Population per square mile	245	340
Total households	334,506	461,097	27.5	Households per square mile	96	2.0
Total workers	461,516	617,475	25.3	Workers per square mile	132	
Total area (square miles)	3,491	3,491		Workers per person	0.54	
Total household vehicles	598,608	830,357	27.9	Workers per household	1.38	
Median age	31.1	33.0	5.7	Persons per household	2.56	
Median household income	\$33,290	\$48,845	31.8	Vehicles per household	1.79	
1990 Central County: Wal	ce County, N	orth Carolii	ia (1904 – Artic			
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	423,380	627,846	32.6	Population per square mile	500	
Total households	165,743	242,040	31.5	Households per square mile	196	
Total workers	237,181	338,602	30.0	Workers per square mile	280	-
Mode to Work						
Total workers	461,516	617,475				PARTICIAN INC
Mode	1990 (%)	-	2000 (numbers)	Mode to Work	: 2000	
Private vehicle	91.6	91.4	564,567		^	
Drive alone	77.4	78.5	484,681			
Carpool	14.2	12.9	79,886	//C	arpool	Transit
Transit	1.8	1.7	10,433	Parametrica Parametrica Parametrica Parametrica Parametrica III.	13%	2%
Bus	1.6	1.5	9,178			Other
Subway/Rail	0.0	0.0	171	Drove		3%
Taxi & Ferry	0.2	0.2	1,084	Alone		
Other	4.3	3.4	21,100	79%		
Walk	3.0	2.3	14,155		9-33-37-37	Vork at
Bike	0.4	0.4	2,247			home 3%
Other means	0.9	0.8	4,698			3%
Work at home	2.3	3.5	21,375			
Household Vehicles			. Arvin di pr			
	1990	2000		and the second s	1990	2000
Total household vehicles	598,608	830,357		% 0 vehicle households	8.0	6.3
Vehicles per person	0.70	0.70		% 1 vehicle households	32.3	32.7
Vehicles per household	1.79	1.80		% 2 vehicle households	39.8	42.0
Vehicles per worker	1.30	1.34		% 3+ vehicle households	19.9	19.0
Departure Time to Work				Travel Time to Work		
Total - worked away from home	450,723	596,100		Mean Travel Time	20.2	24.9
60 7						
50 -	Г	■ 1990	50 7			
Table 19 Service	 	1990	40 -	7	1990	
N 40	##	L 2000	cers		2 000	
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Percent of workers 20 - 20 - 20 - 20 - 20 - 20 - 20 - 20	Ħ		Percent of workers			
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5 5.55 FMV1 7 - 8:29 I	י אוני פיים אידי	AM All Othe Departure	l I I	< 15 15 - 29 30 - 44 Minutes	45 - 59	60 or more
		•][ivimutes		

 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



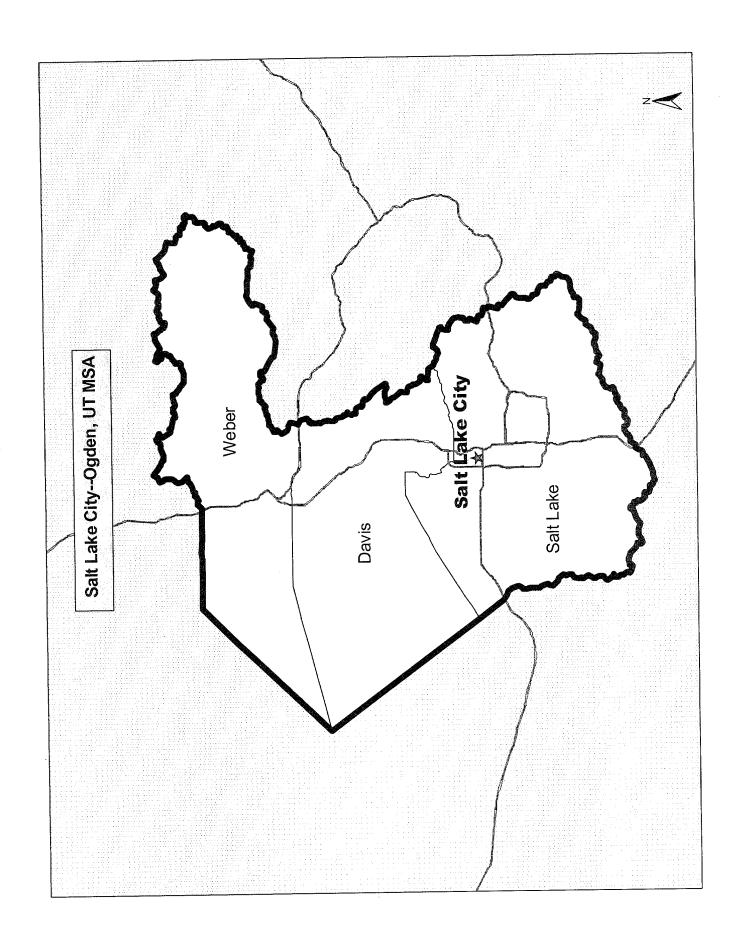
Demographics	1990	2000		Rochester, NY MSA		
Total population			% Change	General Indicators	1990	200
Total households	1,062,470	1,098,201	3.3	Population per square mile	310	32
Total workers	396,089	420,073	5.7	Households per square mile	116	12
Total workers Total area (square miles)	509,733	516,814	1.4	Workers per square mile	149	15
Total household vehicles	3,426	3,426		Workers per person	0.48	0.4
Median age	657,293	693,481	5.2	Workers per household	1.29	1.2
Median household income	32.9	36.3	9.4	Persons per household	2.68	2.6
Section 20 and a section of the sect	\$34,234	\$43,955	22.1	Vehicles per household	1.66	1.63
1990 Central County: Mor		New York				te Rais
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	713,968	735,343	2.9	Population per square mile	1,071	1,103
Total households	271,944	286,512	5.1	Households per square mile	408	430
Total workers	347,088	345,019	-0.6	Workers per square mile	521	518
Mode to Work						SIG
Total workers	509,733	516,814			1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FASE
Mode	1990 (%)	•	000 (numbers)	Mode to Work:	2000	
Private vehicle	89.4	90.9	469,789			
Drive alone	77.7	81.8	422,686			į
Carpool	11.7	9.1	47,103			nsit
Transit	3.1	2.0	10,329	Car	pool \ \ \ \ 2	%
Bus	3.0	1.9	9,755		%	ther
Subway/Rail	0.0	0.0	162	Drove		iner
Taxi & Ferry	0.1	0.1	412	Alone	4.2.4.1	† 70
Other	5.1	4.2	21,783	82%		
Walk	4.4	3.5	18,193		/ Work	at
Bike	0.2	0.2	977		hom	e
Other means	0.5	0.5	2,613		3%	
Work at home	2.5	2.9	14,913			
Household Vehicles	Carried Charles Charles					
	1990	2000		과 경기되었는데 그는 그는 이 그는 바퀴		
Total household vehicles	657,293				1990	2000
Vehicles per person	0.62	693,481		% 0 vehicle households	11.0	10.0
Vehicles per household	1.66	0.63 1.65		% 1 vehicle households	33.9	35.0
Vehicles per worker	1.29	1.34		% 2 vehicle households	39.1	40.3
Departure Time to Work		i.ja Keparata	Big Angkasata awa ing ing ing	% 3+ vehicle households	16.0	14.7
Total - worked away from home	497,134	建工业 集		Travel Time to Work		
50 ¬	497,134	501,901		Mean Travel Time	19.8	21.1
30]			50 7			
40 -		1990			1990	
E Se le le le le le le le le le le le le le	# ₽	2000	s 40 -		□ 2000	
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^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



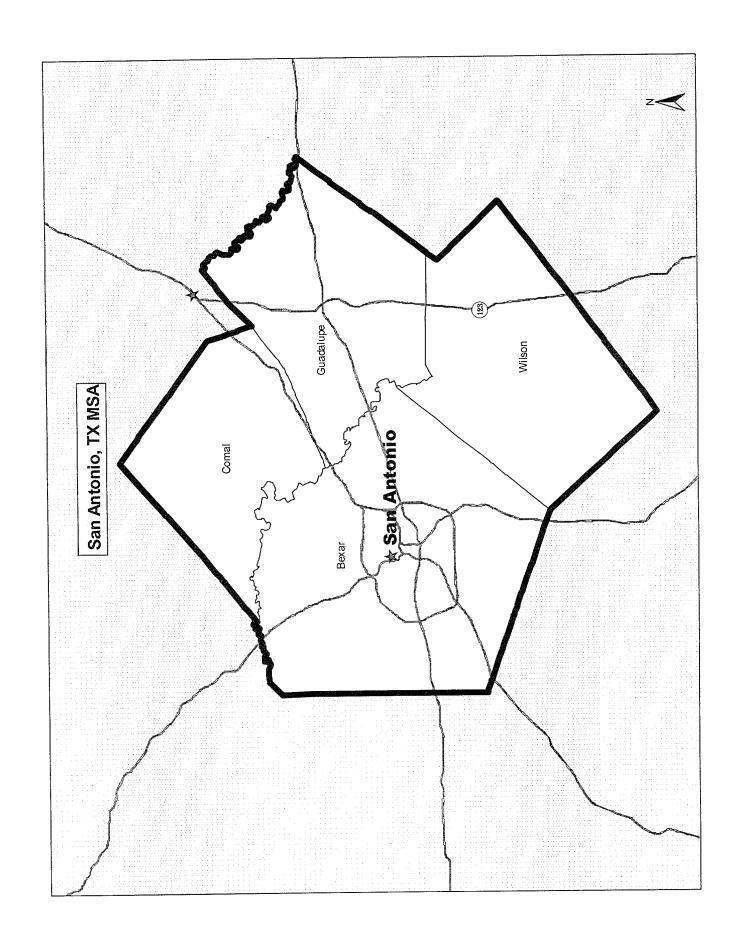
	Journey t	o Work Pı	ofile: Sacr	amentoYolo, CA CMSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,481,102	1,796,857	17.6	Population per square mile	291	353
Total households	556,448	665,298	16.4	Households per square mile	109	
Total workers	685,945	799,989	14.3	Workers per square mile	135	157
Total area (square miles)	5,094	5,094		Workers per person	0.46	0.45
Total household vehicles	1,004,210	1,166,229	13.9	Workers per household	1.23	1.20
Median age	32.2	34.6	6.9	Persons per household	2.66	2.70
Median household income	\$32,734	\$46,106	29.0	Vehicles per household	1.80	1.75
1990 Central County: Sac		nty, Califorr	nia 🗼			aris sees
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,041,219	1,223,499	14.9	Population per square mile	1,091	1,282
Total households	394,530	453,602	13.0	Households per square mile	414	475
Total workers	482,321	536,310	10.1	Workers per square mile	506	562
Mode to Work				· 성원, 보고 12 12명 전투 12명 12명 12명 12명 12명 12명 12명 12명 12명 12명		302
Total workers	685,945	799,989	. N. Harris, Jesus J. 1967			
Mode	1990 (%)	-	000 (numbers)	Mode to Work	: 2000	
Private vehicle	88.9	88.9	710,809			
Drive alone	75.2	75.3	602,549			Гransit
Carpool	13.7	13.5	108,260	Carr	* **	3%
Transit	2.4	2.7	21,763		%	
Bus	2.1	2.4	18,985			Other
Subway/Rail	0.2	0.3	2,277	Drove		4%
Taxi & Ferry	0.0	0.1	501	Alone		
Other	5.6	4.4	35,138	75%		
Walk	2.7	2.2	17,332			Vork at
Bike	1.8	1.4	10,909		/ '	4%
Other means	1.1	0.9	6,897			770
Work at home	3.1	4.0	32,279			
Household Vehicles	8444.444.4.		,	State of Barrier Services	18.5	
	1990	2000				
Total household vehicles	1,004,210	2000			1990	2000
Vehicles per person	0.68	1,166,229		% 0 vehicle households	7.6	7.8
Vehicles per household	1.80	0.65 1.75		% 1 vehicle households	32.6	34.5
Vehicles per worker	1.46	1.46		% 2 vehicle households	39.4	39.5
Departure Time to Work			a Syranger	% 3+ vehicle households	20.3	18.2
Total - worked away from home	664.607	767.710		Travel Time to Work	af Jan	
	664,607	767,710		Mean Travel Time	21.8	25.6
50			50 7			İ
40 -		1990	1		1990	
Percent of workers		5 2000	y 40 -		1 2000	
0 30	##		l ker			
Jo. 100			Percent of workers			
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		Departures	;	Minutes	0,	os of more

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



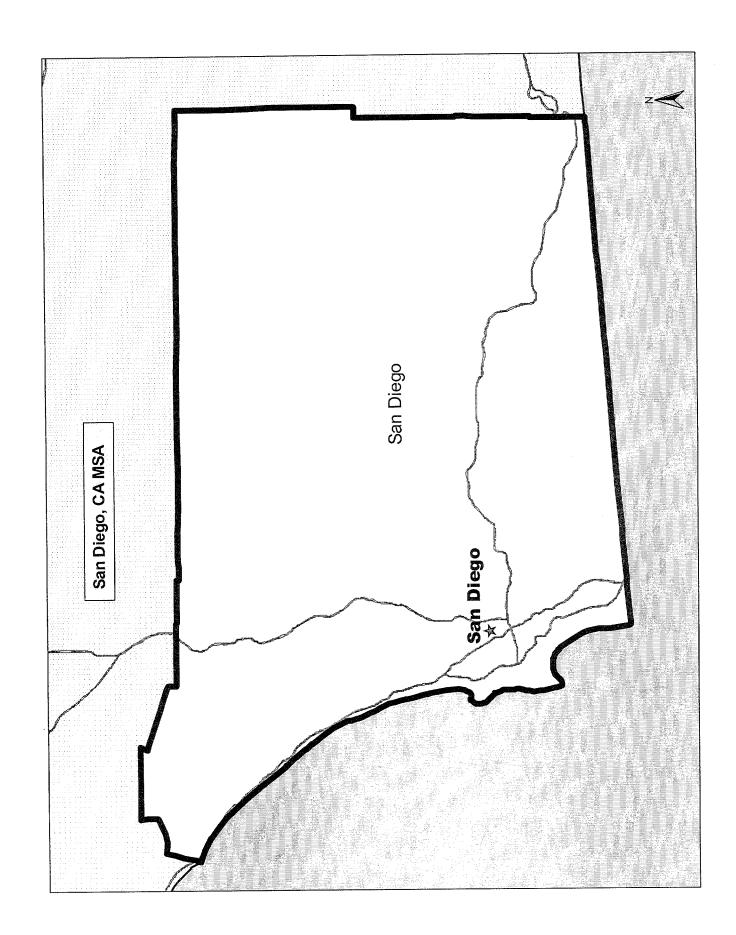
	Journey to	Work Prot	file: Salt La	ike CityOgden, UT MSA		A second
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,072,227	1,333,914	19.6	Population per square mile	663	825
Total households	347,531	432,040	19.6	Households per square mile	215	267
Total workers	479,338	642,688	25.4	Workers per square mile	296	397
Total area (square miles)	1,618	1,618		Workers per person	0.45	0.48
Total household vehicles	659,586	850,542	22.5	Workers per household	1.38	1.49
Median age	27.5	28.6	3.8	Persons per household	3.09	3.09
Median household income	\$30,882	\$48,594	36.4	Vehicles per household	1.90	1.97
1990 Central County: Salt	Lake County	, Utah				r.,, Harrings
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	725,956	898,387	19.2	Population per square mile	914	1,131
Total households	240,680	295,141	18.5	Households per square mile	303	371
Total workers	329,238	438,627	24.9	Workers per square mile	414	552
Mode to Work						
Total workers	479,338	642,688				<u> </u>
Mode	1990 (%)	2000 (%) 20	000 (numbers)	Mode to Work:	2000	
Private vehicle	90.3	90.3	580,354			
Drive alone	76.3	77.2	495,890			Transit
Carpool	14.0	13.1	84,464		pool	3%
Transit	3.0	3.0	19,126		%	370
Bus	2.9	2.7	17,044			Other
Subway/Rail	0.0	0.3	1,886	Drove		3%
Taxi & Ferry	0.0	0.0	196	Alone 77%		
Other	3.6	3.0	18,963	///%	``##\\ }	ork at
Walk	2.3	1.8	11,802			home
Bike	0.5	0.4	2,752		/	4%
Other means	0.8	0.7	4,409			
Work at home	3.1	3.8	24,245			
Household Vehicles		Tall Processing Control of the Contr				
Total household vehicles	1990	2000			1990	2000
	659,586	850,542		% 0 vehicle households	6.1	5.8
Vehicles per person Vehicles per household	0.62 1.90	0.64 1.97		% 1 vehicle households	29.5	28.1
Vehicles per worker	1.38	1.32		% 2 vehicle households	42.1	41.8
Thomas Consequences of the control o			ning one will	% 3+ vehicle households	22.4	24.4
Departure Time to Work Total - worked away from home	464 400	/ TALL 34		Travel Time to Work	ir Hed	
	464,492	618,443		Mean Travel Time	19.8	22.4
50			50 7			
40 -		■ 1990			■ 1990	
cers .		□ 2000	s 40 -		B 2000	
1 No. 12	##		rker			
Decent of workers			Percent of workers			
	##		520			
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5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59	AM All Other		< 15 15 - 29 30 - 44	45 - 59	60 or more
		Departures		Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



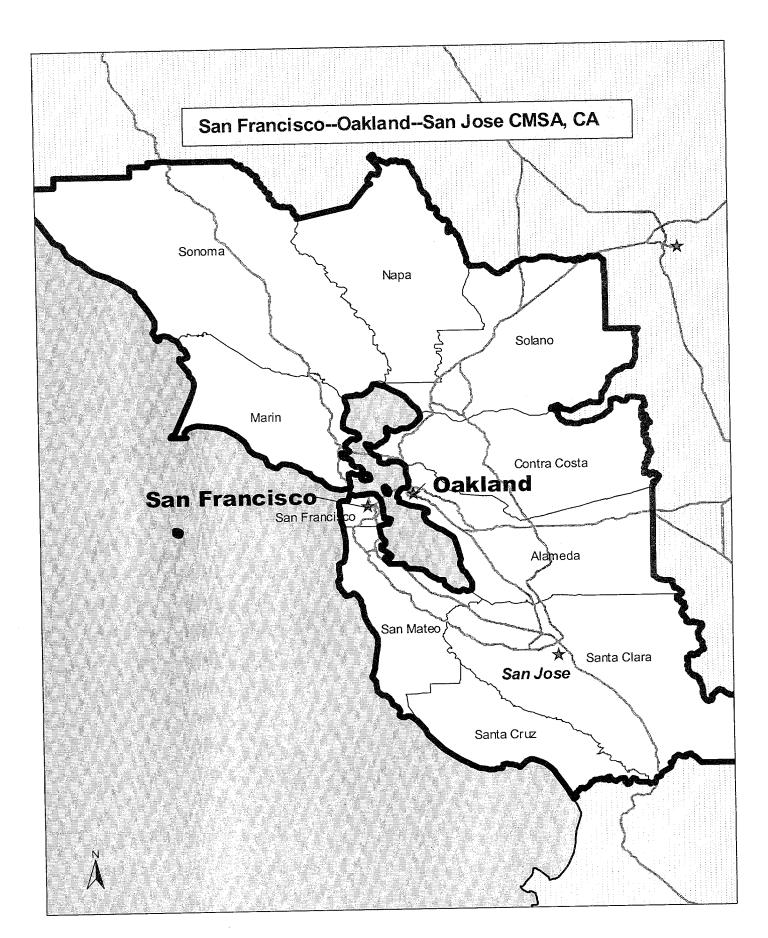
	Journ	ey to Wor	k Profile: S	an Antonio, TX MSA		
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,324,749	1,592,383	16.8	Population per square mile	398	479
Total households	458,502	559,946	18.1	Households per square mile	138	168
Total workers	578,529	698,685	17.2	Workers per square mile	174	210
Total area (square miles)	3,327	3,327		Workers per person	0.44	
Total household vehicles	752,637	934,172	19.4	Workers per household	1.26	0.44
Median age	30.3	32.7	7.3	Persons per household	2.89	1.25
Median household income	\$26,092	\$39,140	33.3	Vehicles per household	1.64	2.84 1.67
1990 Central County: Bex	ar County, T				1.04 Naširi Robin	1.07
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	1,185,394	1,392,931	14.9	Population per square mile	945	1,110
Total households	409,043	488,942	16.3	Households per square mile	326	390
Total workers	516,606	607,860	15.0	Workers per square mile	412	484
Mode to Work				ing and the second of the seco	712	404
Total workers	578,529	698,685	[<u> </u>		4/14
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work:	2000	
Private vehicle	89.3	90.9	635,389			
Drive alone	74.5	76.2	532,670			
Carpool	14.9	14.7	102,719		* "A	ransit
Transit	3.6	2.9	20,213	/ / 15	%	3%
Bus	3.6	2.8	19,605			
Subway/Rail	0.0	0.0	144	Drove /		Other
Taxi & Ferry	0.1	0.1	464	Alone		4%
Other	4.7	3.6	25,137	75%		1
Walk	3.6	2.4	16,523		/ Wo	rk at
Bike	0.2	0.1	999		1404 J	me
Other means	1.0	1.1	7,615		/ 3	%
Work at home	2.4	2.6	17,946			
Household Vehicles		es a displaya in inc				
	1990	2000		하락이 뭐지 않는 사람들이 하라운데 하라 마음을 하고 있다.		
Total household vehicles	752,637	934,172		0/0 1:11	1990	2000
Vehicles per person	0.57	0.59		% 0 vehicle households	10.0	9.0
Vehicles per household	1.64	1.67		% 1 vehicle households % 2 vehicle households	36.6	36.1
Vehicles per worker	1.30	1.34		% 3+ vehicle households	37.9	39.3
Departure Time to Work		es la casa		and the second of the second o	15.6	15.5
Total - worked away from home	564,921	690 720		Travel Time to Work		
	304,921	680,739		Mean Travel Time	22.0	24.5
50]			50 7			
40		■ 1990		pro-manuscuma.	1990	
Percent of workers	#	3 2000	g 40 -		2 000	
\[\bar{2} \qq \qu	##		rker			
to Hill			l wo			
20	##		E20			
E 10 E E E E E E E E E	Ħ		Percent of workers			
			H H H H			
5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59	AM All Other	. 11	< 15 15 - 29 30 - 44	45 - 59 60	or more
		Departure	s	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



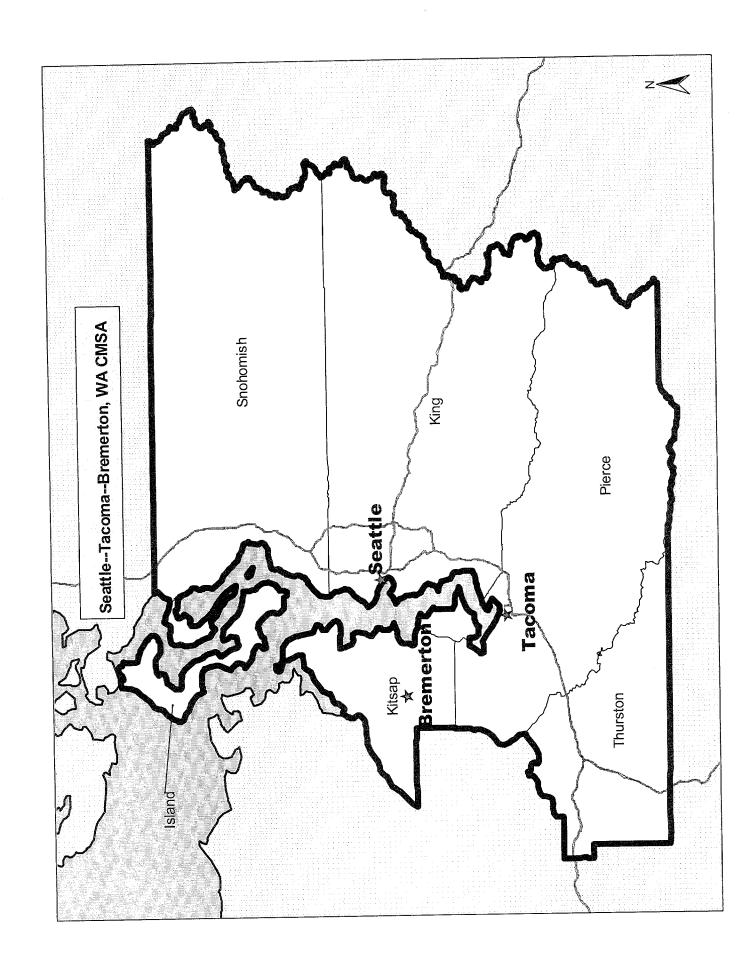
	Jour	ney to Wor	k Profile: S	an Diego, CA MSA		
Demographics	1990	2000	% Change	General Indicators	1990	200
Total population	2,498,016	2,813,833	11.2	Population per square mile	594	
Total households	887,403	994,677	10.8	Households per square mile	211	669
Total workers	1,230,446	1,299,503	5.3	Workers per square mile	293	23′
Total area (square miles)	4,205	4,205		Workers per person		309
Total household vehicles	1,577,370	1,736,680	9.2	Workers per household	0.49	0.46
Median age	30.8	33.2	7.2	Persons per household	1.39	1.31
Median household income	\$35,022	\$47,067	25.6	Vehicles per household	2.81 1.78	2.83 1.75
1990 Central County: San	Diego Count	y, California				
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,498,016	2,813,833	11.2	Population per square mile	585	659
Total households	887,403	994,677	10.8	Households per square mile	208	233
Total workers	1,230,446	1,299,503	5.3	Workers per square mile	288	304
Mode to Work						304 36 9. 1 41
Total workers	1,230,446	1,299,503	1988 - 1987 - F. JAK		2 May 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Mode	1990 (%)		00 (numbers)	Mode to Work	: 2000	ļ
Private vehicle	84.7	86.9	1,129,405		Trans	it
Drive alone	70.9	73.9	960,065	Carpo	20/	
Carpool	13.8	13.0	169,340	139	301	
Transit	3.3	3.4	43,757		Oti	her
Bus	3.2	3.1	39,970		\(\sigma \) 50	
Subway/Rail	0.0	0.2	2,877	Drove		
Taxi & Ferry	0.1	0.1	910	Alone		
Other	7.1	5.3	69,159	75%		
Walk	4.5	3.4	44,107		Work hom	1
Bike	0.9	0.6	7,460		4%	1
Other means	1.7	1.4	17,592		7/0	'
Work at home	5.0	4.4	57,182			
Household Vehicles	1990					
Total household vehicles	1,577,370	2000			1990	2000
Vehicles per person		1,736,680		% 0 vehicle households	7.9	8.0
Vehicles per household	0.63 1.78	0.62 1.75		% 1 vehicle households	34.1	34.8
Vehicles per worker	1.28	1.34		% 2 vehicle households	38.7	39.4
Departure Time to Work				% 3+ vehicle households	19.3	17.7
otal - worked away from home	1,169,161	1 242 221		Travel Time to Work	(主義)直接管	
.,	1,109,101	1,242,321		Mean Travel Time	22.2	25.3
50						
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40 -		■ 1990	50		1990	
40 -		■ 1990 ■ 2000	40 -	I TTTI	■ 1990 ■ 2000	
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40 - 30 - 30 - 20 - 30 - 30 - 30 - 30 - 3			40 -		1	
40 -					1	
40 - second of workers 20 - 20 - 20 - 20 - 20 - 20 - 20 - 20			Percent of workers		1	
40 - 30 - 20 - 20 - 20 - 20 - 20 - 20 - 2		2000	Percent of workers	<15 15 - 29 30 - 44	1	Thora

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



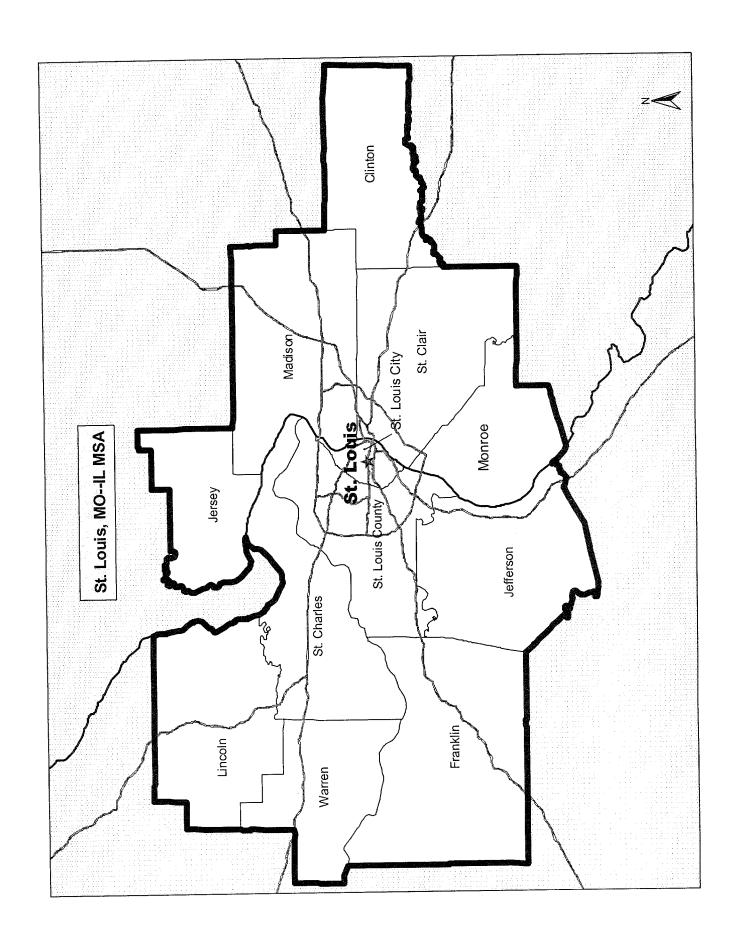
Journe	y to Work	Profile: Sa	n Francisco	oOaklandSan Jose, CA O	'MSA	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	6,253,311	7,039,362	11.2	Population per square mile	849	055
Total households	2,329,808	2,557,158	8.9	Households per square mile	316	955
Total workers	3,200,833	3,432,157	6.7	Workers per square mile	434	347
Total area (square miles)	7,369	7,369		Workers per person	0.51	466
Total household vehicles	4,110,857	4,511,516	8.9	Workers per household	1.37	0.49
Median age	33.5	35.6	5.9	Persons per household	2.68	1.34 2.75
Median household income	\$41,459	\$62,024	33.2	Vehicles per household	1.76	1.76
1990 Central County: San		ounty, Califo	rnia			1.70
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	723,959	776,733	6.8	Population per square mile	15,323	16,440
Total households	305,584	329,700	7.3	Households per square mile	6,468	6,978
Total workers	382,309	418,553	8.7	Workers per square mile	8,092	8,859
Mode to Work						
Total workers	3,200,833	3,432,157				
Mode	1990 (%)	2000 (%) 2	000 (numbers)	Mode to Work	2000 Transit	
Private vehicle	81.3	81.0	2,780,195		9%	
Drive alone	68.3	68.1	2,335,785	Carpool		
Carpool	13.0	12.9	444,410	13%		
Transit	9.3	9.5	325,212			ther
Bus	6.3	5.7	197,225			5%
Subway/Rail	2.8	3.5	118,842			
Taxi & Ferry	0.2	0.3	9,145	Drove		
Other	5.9	5.5	187,270	Alone	Wor	k at
Walk	3.6	3.3	111,662	69%	hor	
Bike	1.1	1.1	38,588		49	1
Other means	1.2	1.1	37,020			
Work at home	3.5	4.1	139,480			
Household Vehicles						
	1990	2000			1990	2000
Total household vehicles	4,110,857	4,511,516		% 0 vehicle households	10.4	9.9
Vehicles per person	0.66	0.64		% 1 vehicle households	32.4	32.9
Vehicles per household	1.76	1.76		% 2 vehicle households	36.6	37.3
Vehicles per worker	1.28	1.31		% 3+ vehicle households	20.6	19.9
Departure Time to Work	73-98 -1 3			Travel Time to Work		
Total - worked away from home	3,089,268	3,292,677		Mean Travel Time	25.6	29.3
50 7						
		1000	50]			
S. 40	† † † †	■ 1990 ■ 2000	40 -		1990	
9 30 -		2000	cers		2 000	
M Je			- 10 voi			
Percent of workers			Percent of workers			
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5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59 A	M All Other	# 0 + ■			
	4.2 0.30 - 3.39 /	All Other Departures	.	< 15 15 - 29 30 - 44 Minutes	45 - 59 60 0	or more
		1		Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



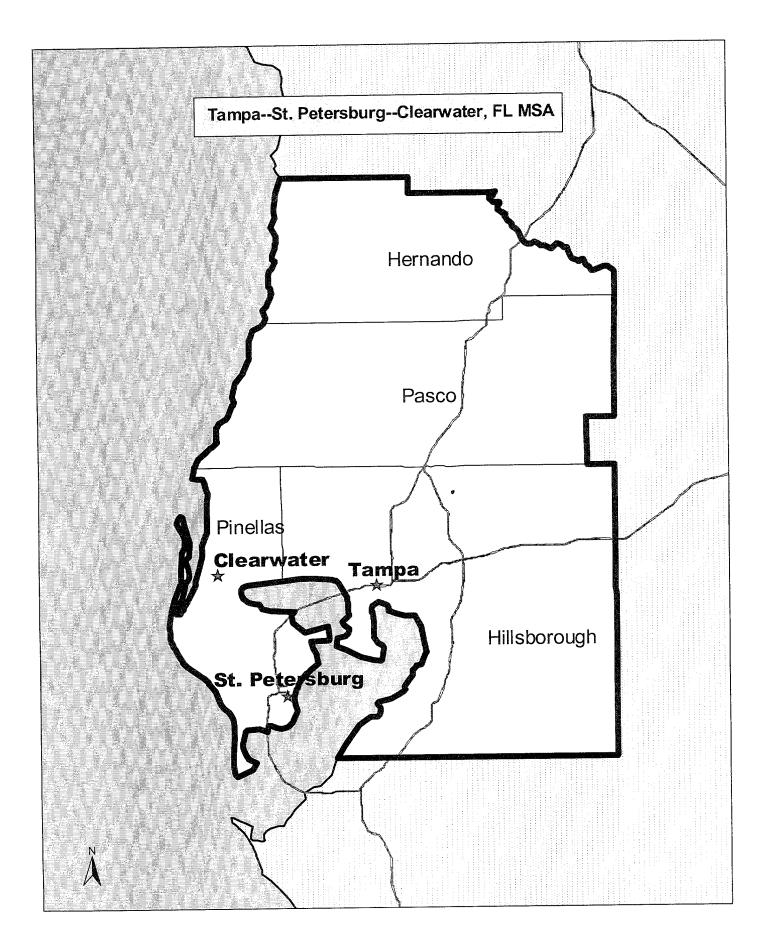
Jou	rney to Wo	rk Profile:	SeattleTa	acomaBremerton, WA CM	SA	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,970,328	3,554,760	16.4	Population per square mile	411	402
Total households	1,155,361	1,392,393	17.0	Households per square mile	160	492
Total workers	1,499,734	1,776,224	15.6	Workers per square mile	208	193
Total area (square miles)	7,224	7,224		Workers per person		246
Total household vehicles	2,138,780	2,526,187	15.3	Workers per household	0.50	0.50
Median age	32.9	35.3	6.8	Persons per household	1.30	1.28
Median household income		\$50,733	30.9	Vehicles per household	2.57 1.85	2.55 1.81
1990 Central County: Kin	ng County, W	ashington	n Nasa, Nash aybûkê		1.05 Nas vadovis iš	1.01
Demographics	1990	2000	% Change	General Indicators	1000	
Total population	1,507,319	1,737,034	13.2	Population per square mile	1990	2000
Total households	615,792	710,916	13.4		696	802
Total workers	805,782	911,677	11.6	Households per square mile Workers per square mile	284	328
Mode to Work		nast Lei		The second of the second secon	372	421
Total workers	1,499,734	1,776,224	4 W. 1171 N		<u> Pila de l'el</u>	
Mode	1990 (%)		2000 (numbers)	Mode to Work	: 2000	
Private vehicle	85.2	84.4	1,499,827		Tr	ansit
Drive alone	73.1	71.6	1,272,318	Carpoo		7%
Carpool	12.1	12.8	227,509	13%)
Transit	6.1	6.8	119,919			
Bus	5.6	6.2	109,695			Other
Subway/Rail	0.0	0.2				5%
Taxi & Ferry	0.0	0.0	485	Drove		
Other	5.1	0. <i>3</i> 4.6	9,739	Alone	*******	_
Walk	3.6	3.2	81,873	71%	artelika 1993.	Vork at
Bike	0.5	0.6	56,282		_ /	home
Other means	1.0	0.8	10,712			4%
Work at home	3.6	4.2	14,879 74,605			
Household Vehicles		7.2	74,003	- 12-1 18-1 18-1 18-1 18-1 18-1 18-1 18-		
Trousenoid venicles	1000		(1) 人名马森西斯			
Total household vehicles	1990	2000			1990	2000
Vehicles per person	2,138,780	2,526,187		% 0 vehicle households	7.6	7.7
Vehicles per household	0.72	0.71		% 1 vehicle households	31.3	32.7
Vehicles per worker	1.85 1.43	1.81		% 2 vehicle households	39.1	39.2
\$ 4100 A 1110 A	1.43	1.42		% 3+ vehicle households	22.0	20.4
Departure Time to Work Total - worked away from home	1 446 177	1.501.440		Travel Time to Work		
	1,446,175	1,701,619		Mean Travel Time	24.1	27.7
50			50 7			
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Percent of workers	TTTT	2 000	40 -		B 2000	
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		_	Percent of workers			
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5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59	AM All Other	'	< 15 15 - 29 30 - 44	45 - 59	60 07 77-
		Departure	11	Minutes	73 - 37	60 or more

 $[\]boldsymbol{*}$ 1990 Median age and median income are published for 1990 MSA geographic extent.



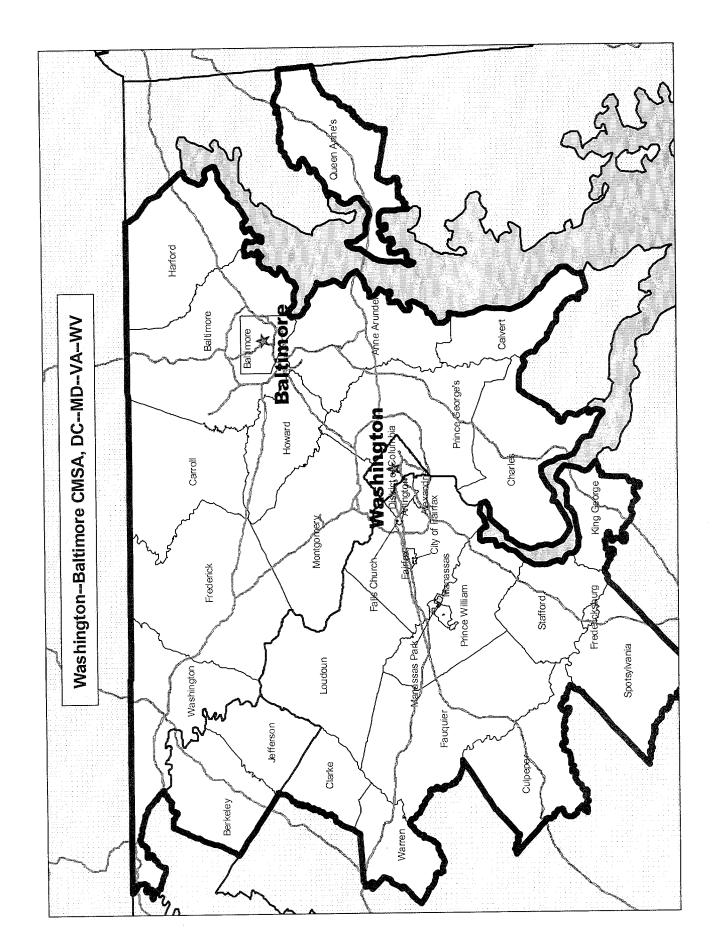
	Journe	ey to Work	Profile: S	t. Louis, MOIL MSA		H. A. H. J. J. J. J. J. J. J. J. J. J. J. J. J.
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,492,525	2,603,607	4.3	Population per square mile	390	
Total households	942,119	1,012,419	6.9	Households per square mile	390 147	407
Total workers	1,166,023	1,238,964	5.9	Workers per square mile	182	158
Total area (square miles)	6,393	6,393	w-a	Workers per person	0.47	194
Total household vehicles	1,576,135	1,726,643	8.7	Workers per household	1.24	0.48
Median age	33.1	36.0	8.1	Persons per household	2.65	1.22
Median household income	\$31,774	\$44,437	28.5	Vehicles per household	2.63 1.67	2.57 1.71
1990 Central County: St.]	Louis city, Mi	ssouri	5 144 Jan 1944			i./i Flancis: E
Demographics	1990	2000	% Change	General Indicators	1990	
Total population	396,685	348,189	-13.9	Population per square mile		2000
Total households	164,931	147,076	-12.1	Households per square mile	5,511	4,837
Total workers	158,499	140,747	-12.6	Workers per square mile	2,291 2,202	2,043
Mode to Work			New Art		2,20 2	1,955
Total workers	1,166,023	1,238,964				
Mode	1990 (%)		000 (numbers)	Mode to Work:	2000	
Private vehicle	91.8	92.5	1,145,866			
Drive alone	79.6	82.6	1,023,647		> ^	
Carpool	12.2	9.9	122,219			
Transit	2.9	2.4	29,915		arpool \ _7	ransit
Bus	2.8	2.1	25,899		10% 🐧 /	2%
Subway/Rail	0.0	0.2	2,730	Drove		Other
Taxi & Ferry	0.1	0.1	1,286	Alone 83%		2%
Other	2.9	2.3	27,891	83%		
Walk	2.1	1.6	20,061		/ Wor	k at
Bike	0.1	0.1	1,413		hor	i
Other means	0.6	0.5	6,417		/ 3%	6
Work at home	2.4	2.8	35,292			
Household Vehicles			,	The second of th		A not specific themselves
	1990	2000	yil yasa dibali din i			Page Application
Total household vehicles	1,576,135	1,726,643		% 0 vehicle households	1990	2000
Vehicles per person	0.63	0.66		% 1 vehicle households	10.8	9.0
Vehicles per household	1.67	1.71		% 2 vehicle households	33.5 39.2	34.4
Vehicles per worker	1.35	1.39		% 3+ vehicle households	39.2 16.6	39.8
Departure Time to Work				Travel Time to Work	10.0	16.8
Total - worked away from home	1,137,946	1,203,672		Mean Travel Time	22.2	75.5
50 م					23.2	25.5
	_	M 1000	50	manager (SAMAN)		
2 40 -	 	1990	40 -		1990	
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		2 opartures	H	Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



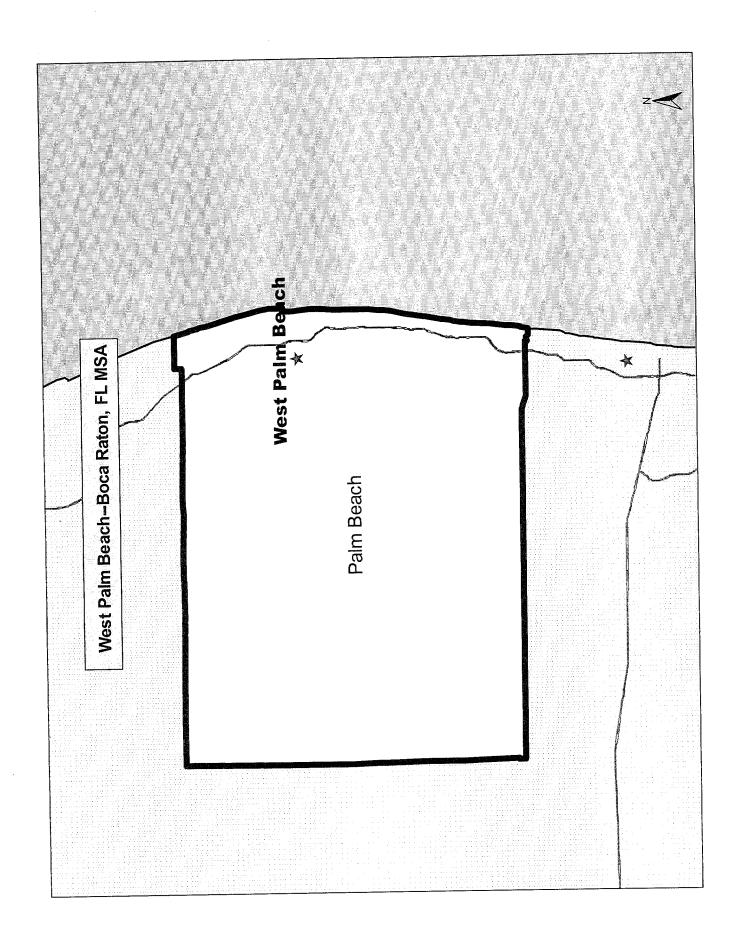
Journ	ey to Work	Profile: Ta	ımpaSt. P	etersburgClearwater, FL	MSA =	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	2,067,959	2,395,997	13.7	Population per square mile		
Total households	869,481	1,009,316	13.9	Households per square mile	810	938
Total workers	914,711	1,063,957	14.0	Workers per square mile	340	395
Total area (square miles)	2,555	2,555	1-7.0	Workers per square mile Workers per person	358	417
Total household vehicles	1,325,100	1,551,387	14.6	Workers per household	0.44	0.44
Median age	38.5	40.0	3.8	Persons per household	1.05	1.05
Median household income	\$26,036	\$37,406	30.4	Vehicles per household	2.38	2.37
1990 Central County: Hill	sborough Co			Charles her nousehold	1.52	1.54
Demographics	1990	2000	% Change		ewaya	
Total population	834,054	998,948	16.5	General Indicators	1990	2000
Total households	324,872	391,357	17.0	Population per square mile	785	940
Total workers	410,950	470,753	17.0	Households per square mile	306	368
Mode to Work	: ARSEZ LEDE		12.7	Workers per square mile	387	443
Total workers	914,711	1.062.057				
Mode		1,063,957		Mode to Work	. 2000	
Private vehicle	1990 (%)		00 (numbers)	Widde to Work.	. 2000	
Drive alone	92.1	92.1	979,884		Λ	1
Carpool	78.8	79.7	848,257			
Transit	13.3	12.4	131,627	// Ca	rpool	Transit
Bus	1.5	1.4	14,940		2%	1%
Subway/Rail	1.3	1.2	13,123	Drove		Other
Taxi & Ferry	0.0	0.0	220	Alone		3%
Other	0.1	0.2	1,597	81%		-,
Walk	4.2	3.4	35,788	V	17 w	ork at
Bike	2.3	1.7	18,215			ome
Other means	0.7	0.6	6,575		/	3%
Work at home	1.2 2.3	1.0	10,998		•	
SAME AND THE SAME OF THE SAME		3.1	33,345			
Household Vehicles		afallet,	Still Welley	역으로 많이 하는 것으로 가는 것으로 훌륭했다.		
T-4-11. 1 11 11 1	1990	2000			1990	2000
Total household vehicles		1,551,387		% 0 vehicle households	9.1	8.1
Vehicles per person Vehicles per household	0.64	0.65		% 1 vehicle households	44.4	44.2
Vehicles per worker	1.52 1.45	1.54		% 2 vehicle households	35.0	36.9
	1.43	1.46		% 3+ vehicle households	11.5	10.8
Departure Time to Work Total - worked away from home	902.040			Travel Time to Work	ia a la de de la composición dela composición de la composición de la composición de la composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición de la composición dela composición de la composición dela composición dela composición dela composición dela composición dela composición dela compos	
	893,942	1,030,612		Mean Travel Time	21.8	25.6
50			50 7			
40 -	TTT I	1990			1990	
e se se se se se se se se se se se se se		3 2000	40 -		!	
To 30 -			kers		1 2000	
Percent of workers	田		io ₃₀ −			
₩ 20 -			Jo 1			
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5 - 6:59 AM 7 - 8:29 A	AM 8:30 - 9:59 A	M All Other	0 +	< 15 15 - 29 30 - 44	45 - 59 6	0
		Departures		Minutes	7J - J9 (00 or more
* 1000 > -						

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



Journey	to Work Pr	ofile: Wash	ington-B	altimore, DCMDVAWV	/ CMSA	
Demographics	1990	2000	% Change		1990	2000
Total population	6,727,050	7,608,070	11.6	Population per square mile	702	
Total households	2,491,041	2,871,861	13.3	I amin't but oquate time	702	794
Total workers	3,611,094	3,839,052	5.9	Por oquare mile	260	300
Total area (square miles)	9,578	9,578		Workers per square mile Workers per person	377	401
Total household vehicles	4,133,458	4,770,324	13.4	Workers per household	0.54	0.50
Median age	32.4	35.4	8.5		1.45	1.34
Median household income	\$46,884	\$57,291	18.2	Persons per household Vehicles per household	2.70	2.65
1990 Central County: Dis					1.66	1.66
Demographics	1990	2000	% Change	하는 생생님 그는 문에는 문명하게 하는 사람들에 가는 그리고 그릇하고 하는 것들을 하는 것 같다.		
Total population	606,900	572,059	-6.1	General Indicators	1990	2000
Total households	249,634	248,338	-0.1	Population per square mile	9,187	8,659
Total workers	304,428	260,884	-16.7	Households per square mile	3,779	3,759
Mode to Work		200,004	-10.7	Workers per square mile	4,608	3,949
Total workers	2 611 004	2.020.052				The State
Mode	3,611,094	3,839,052		Mode to Work	. 2000	
Private vehicle	1990 (%)		000 (numbers)	Wide to Work	: 2000 Tran	cit
Drive alone	81.5	83.2	3,194,223			1
Carpool	66.1	70.4	2,703,685	Carpoo		'
Transit	15.5	12.8	490,538	1370		
Bus	11.0	9.4	361,877			2.1
	6.2	4.1	157,682		/- (Other
Subway/Rail	4.5	5.0	193,671	Drove		4%
Taxi & Ferry Other	0.3	0.3	10,524	Alone _		1
·	4.8	3.9	148,893	71%	7 Wol	rk at
Walk	3.9	3.0	114,425		of Parity No.	me
Bike	0.2	0.3	9,725		50 / 180	%
Other means	0.7	0.6	24,743			
Work at home	2.7	3.5	134,059			
Household Vehicles				当为10年度企业资本。		
T-4-11 1 11 11 1	1990	2000			1990	2000
Total household vehicles	4,133,458	4,770,324		% 0 vehicle households	13.2	12.0
Vehicles per person Vehicles per household	0.61	0.63		% 1 vehicle households	32.3	33.9
Vehicles per worker	1.66	1.66		% 2 vehicle households	36.7	37.0
77-4-	1.14	1.24		% 3+ vehicle households	17.8	17.1
Departure Time to Work				Travel Time to Work		
Total - worked away from home	3,514,395	3,704,993		Mean Travel Time	28.2	31.7
50 7			50			
		■ 1990	50		[1
SIS 40 -	 	1 2000	40 -		■ 1990	
ork 30 -		2000	cers	DWG-MAN-MAN	2 000	j
N Jo	##		oz 30 -			
tu 20 -	翓		f .			
Percent of workers	₩		Percent of workers			
10			Per		- HH	
5 - 6:59 AM 7 - 8:29	AM 8:30 - 9:59 A	M ANGO	└┐			
	2111 0.30 - 9:39 F	AM All Other Departures		< 15 15 - 29 30 - 44	45 - 59 60	or more
			11	Minutes		Í

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.



Jour	ney to Wo	rk Profile: N	West Palm	BeachBoca Raton, FL M	SA-	
Demographics	1990	2000	% Change	General Indicators	1990	2000
Total population	863,518	1,131,184	23.7	Population per square mile	437	572
Total households	365,558	474,175	22.9	Households per square mile		573
Total workers	380,260	475,572	20.0	Workers per square mile	185	240
Total area (square miles)	1,974	1,974		Workers per person	193	241
Total household vehicles	562,475	722,896	22.2	Workers per household	0.44	0.42
Median age	39.8	41.8	4.7	Persons per household	1.04	1.00
Median household income	\$32,524	\$45,062	27.8	Vehicles per household	2.36 1.54	2.39 1.52
1990 Central County: Paln	n Beach Cou	ntv. Florida			rigger of the second	1.32 Judaketes r a si
Demographics	1990	2000	% Change	General Indicators	1000	
Total population	863,518	1,131,184	23.7	Population per square mile	1990	2000
Total households	365,558	474,175	22.9		399	523
Total workers	380,260	475,572	20.0	Households per square mile Workers per square mile	169	219
Mode to Work		****	20.0 No. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	workers per square mile	176	220
Total workers	380,260	475,572				
Mode	1990 (%)		10.6	Mode to Work	: 2000	
Private vehicle	92.1	2000 (%) 20 0 91.6				
Drive alone	79.4	79.6	435,506			
Carpool	12.8	79.0 11.9	378,759		Tr.	ansit
Transit	1.3		56,747		rpool 1	%
Bus	0.9	1.4	6,671		2%	ther
Subway/Rail		1.1	5,163	Drove		3%
Taxi & Ferry	0.2	0.2	731	Alone	-	1
Other	0.2	0.2	777	80%		
Walk	3.8	2.9	13,941		7 Wor	k at
Bike	2.0	1.4	6,485		/ hor	
Other means	0.6	0.5	2,440		49	6
Work at home	1.2 2.7	1.1	5,016			
		4.1	19,454			
Household Vehicles					Attack to	
T-4-11 1 1 1 1 1 1	1990	2000			1990	2000
Total household vehicles	562,475	722,896		% 0 vehicle households	8.2	7.9
Vehicles per person Vehicles per household	0.65	0.64		% 1 vehicle households	44.1	44.2
Vehicles per worker	1.54	1.52		% 2 vehicle households	36.6	38.3
	1.48	1.52		% 3+ vehicle households	11.1	9.6
Departure Time to Work Total - worked away from home				Travel Time to Work		
	370,090	456,118		Mean Travel Time	20.9	25.7
50			50 ¬			
40 -	#	■ 1990			1000	
GE H	44	■ 2000	40		3 1990	
10 30 -	# └-		kers		□ 2000	
y₀ white	Ħ		\[\int \ose{0.00} \]			ĺ
E 20 - E E E E E E E E E E E E E E E E E E	Ħ		Jo 20			
December of workers			Percent of workers			
10			Per 10			
						
5 - 6:59 AM 7 - 8:29 A	M 8:30 - 9:59 A	M Allow	0 +			
12.1 7 - 0.29 A	0.30 - 9:39 F	AM All Other Departures		< 15 15 - 29 30 - 44	45 - 59 60 o	r more
		-		Minutes		

^{* 1990} Median age and median income are published for 1990 MSA geographic extent.

	,	

Appendix A

Comparing Metropolitan Area Definitions from 1990 to 1999

The United States Office of Management and Budget (OMB) defines metropolitan areas (MAs) according to published standards that are applied to Census Bureau data. MAs in this report are based on application of 1990 standards (which appeared in the Federal Register on March 30, 1990) to 1990 decennial census data and to subsequent Census Bureau population estimates and special census data. This report uses the June 30, 1999 definition of MAs (new definitions were published by OMB on June 3, 2003, but are not used in this report).

The general concept of an MA is that of a core area containing a large population nucleus, together with adjacent communities having a high degree of economic and social integration with that core. The basic building block used in the 1999 definition is a county (except for the New England States where cities and towns are used as the building blocks). The core is usually a county/counties containing a city of population greater than 50,000 people OR a Census defined urbanized area. Outlying counties are added to the MA based on population density and commute behavior. For more information on the June 30, 1999 definition for MSA geography, please refer to the Census Bureau website at: http://www.census.gov/population/www/estimates/metroarea.html

The tables in this section provide a list of counties for each of the 49 largest MSAs for both the 1990, and June 1999 definitions

	Atl	anta, GA	A MSA	
FIPS	Metropolitan Area and Component	1999		Remarks
	Barrow County	*	*	
	Bartow County	*		
	Butts County		*	
	Carroll County	*		
	Cherokee County	*	*	
	Clayton County	*	*	
	Cobb County	*	*	
	Coweta County	*	*	
	DeKalb County	*	*	
	Douglas County	*	*	
	Fayette County	*	*	
	Forsyth County	*	*	
	Fulton County	*	*	
	Gwinnett County	*	*	
	Henry County	*	*	
	Newton County	*	*	
	Paulding County	*	*	
	Pickens County	*		
	Rockdale County	*	*	
	Spalding County	*	*	
	Walton County	*	*	
	Austin-S			
FIPS	Metropolitan Area and Component		1990	Remarks
48021	Bastrop County	*		
	Caldwell County	*		
	Hays County	*	*	
	Travis County	*	*	
48491	Williamson County	*	*	
**	Buffalo-N			
FIPS	Metropolitan Area and Component	1999	1990	Remarks
			Bu	11.00
36029	Erie County	*	*	Buffalo and Niagara were two different
			Ni	MSAs in 1990
36063	Niagara County	*	*	

	Charlotte-Gastonia-Rock Hill, NC-SC MSA					
FIPS	Metropolitan Area and Component	1999	1990			
37025	Cabarrus County, NC	*	1990	Remarks		
	Gaston County, NC	*	*			
37109	Lincoln County, NC	*	*			
37119	Mecklenburg County, NC	*	*			
37159	Rowan County, NC	*	*			
37179	Union County, NC	*	*			
45091	York County, SC	*	+			
			-			
ज्यापत	Chicago-Gary-	Kenosh	a, IL-IN	N-WI CMSA		
	Metropolitan Area and Component	1999	1990	Remarks		
	Kane County		*			
17093	Kendall County		*			
17031	Cook County	*	*			
	DeKalb County	*				
17043	DuPage County	*	*			
17063	Grundy County	*	*			
17089	Kane County	*				
17093	Kendall County	*				
	Lake County	*	*			
17111	McHenry County	*	*			
	Will County	*	*			
	Lake County	*	*			
18127 I	Porter County	*	*			
17091 I	Kankakee County	*				
55059 H	Kenosha County	*	*			
L	Cincinnati II.			The Control		
FIPS N	Cincinnati-Han Metropolitan Area and Component	1999				
	Cincinnati, OH-KY-IN PMSA	1777	1990	Remarks		
18029 I	Dearborn County, IN	*	*			
18115	Ohio County, IN	*				
	Boone County, KY	*	*			
21037	Campbell County, KY	*	*			
	Gallatin County, KY	*				
	Grant County, KY	*				
	Centon County, KY	*	*			
	endleton County, KY	*	-17			
	Brown County, OH	*				
	Elermont County, OH	*	*			
	Iamilton County, OH	*	*			
39165 W	Varren County, OH	*	*			
H	familton-Middletown, OH PMSA	7	*			
39017 R	utler County	*				
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and County		*			

	Clevelan	d-Akron	, OH C	MSA
FIPS	Metropolitan Area and Component	1999	1990	Remarks
	Akron, OH PMSA			
	Portage County	*	*	
	Summit County	*	*	
	Cleveland-Lorain-Elyria, OH PMSA			
	Ashtabula County	*		
	Cuyahoga County	*	*	
	Geauga County	*	*	
	Lake County	*	*	
	Medina County	*	*	
			LO	Lorrain was its own PMSA in 1990
39093	Lorain County	*	*	
0,0,0				
	Colu	ımbus, (OH MS	A
FIPS	Metropolitan Area and Component	1999	1990	Remarks
	Delaware County	*	*	
	Fairfield County	*	*	
	Franklin County	*	*	
	Licking County	*	*	
	Madison County	*	*	
	Pickaway County	*	*	
	Union County		*	
37107	Dallas-F	ort Wor	th, TX	CMSA
FIPS	Metropolitan Area and Component		1990	Remarks
	Dallas, TX PMSA			
48085		*	*	
	Collin County	*	*	
48113	Collin County B Dallas County			
48113 48121	Collin County B Dallas County Denton County	*	*	
48113 48121 48139	Collin County Dallas County Denton County Ellis County	*	*	
48113 48121 48139 48213	Collin County B Dallas County Denton County Ellis County Henderson County	* *	*	
48113 48121 48139 48213 48231	Collin County Dallas County Denton County Ellis County Henderson County Hunt County	* * * * * *	*	
48113 48121 48139 48213 48231 48257	Collin County Dallas County Denton County Ellis County Henderson County Hunt County Kaufman County	* * * * * * *	* * *	
48113 48121 48139 48213 48231 48257	Collin County B Dallas County Denton County B Ellis County B Henderson County Hunt County Kaufman County Rockwall County	* * * * * * * *	* * *	
48113 48121 48139 48213 48231 48231 48393	Collin County Dallas County Denton County Ellis County Henderson County Hunt County Kaufman County Rockwall County Fort Worth-Arlington, TX PMSA	* * * * * * * *	* * *	
48113 48121 48139 48213 48257 48257 48397	Collin County Dallas County Denton County Ellis County Henderson County Hunt County Kaufman County Rockwall County Fort Worth-Arlington, TX PMSA	* * * * * * * *	* * *	
48113 48121 48139 48213 4825 4825 4822 4822	Collin County Dallas County Denton County Ellis County Henderson County Hunt County Kaufman County Rockwall County Fort Worth-Arlington, TX PMSA	* * * * * * * * *	* * * * * *	

8013 8001 8005 8031 8035	Denver-Bou Metropolitan Area and Component Boulder-Longmont, CO PMSA Boulder County Denver, CO PMSA Adams County	1999		Remarks
8013 8001 8005 8031 8035	Boulder-Longmont, CO PMSA Boulder County Denver, CO PMSA Adams County			
8001 2 8005 2 8031 1 8035 1	Denver, CO PMSA Adams County	*		
8001 2 8005 2 8031 1 8035 1	Adams County		*	
8005 8031 8035		•		
8031 3 8035 3		*	*	
8035	Arapahoe County	*	*	
8035	Denver County	*	*	
	Douglas County	*	*	
8059	Jefferson County	*	*	
(Greeley, CO PMSA		GR	Greeley was not part of Denver CMSA in
	Weld County	*	*	the 1990 definition
	Detroit-Ann	Arbor-	Flint, M	II CMSA
FIPS I	Metropolitan Area and Component	1999		Remarks
1	Ann Arbor, MI PMSA			
26091 J	Lenawee County	*		
26093 I	Livingston County	*		
26161 Y	Washtenaw County	*	*	
	Detroit, MI PMSA		Ì	
26087 I	Lapeer County	*	*	
26093 I	Livingston County		*	
	Macomb County	*	*	
26115 N	Monroe County	*	*	
	Oakland County	*	*	
	St. Clair County	*	*	
	Wayne County	*	*	
	Flint, MI PMSA			
26049	Genesee County	*	*	
	Grand Rapids-M	Iuskego	n-Holla	nd, MI MSA
	Metropolitan Area and Component	1999		Remarks
	Allegan County	*	GR	
	Kent County	*	*	Grand Rapids and Muskegon were
26139	Ottawa County	*	*	different MSAs in 1990
			MU	
26121 N	Muskegon County	*	*	

***************************************	GreensboroWinsto	n-Salen	nHigh	Point, NC MSA			
FIPS	Metropolitan Area and Component	1999	1990	Remarks			
	Alamance County	*					
	Davidson County	*	*				
	Davie County	*	*				
	Forsyth County	*	*				
	Guilford County	*	*				
	Randolph County	*	*				
	Stokes County	*	*				
	Yadkin County	*	*				
31171	1 adkin County						
	Houston-Galve	eston-Br	azoria,	TX CMSA			
FIPS Metropolitan Area and Component 1999 1990 Remarks							
	Brazoria, TX PMSA						
48039	Brazoria County	*	*				
	Galveston-Texas City, TX PMSA						
48167	Galveston County	*	*				
1-107	Houston, TX PMSA						
48071	Chambers County	*					
	Fort Bend County	*	*				
	Harris County	*	*				
1	Liberty County	*	*				
	Montgomery County	*	*				
	Waller County	*	*				
10.75							
	India	anapolis	, IN MS	SA			
FIPS	Metropolitan Area and Component	1999	1990				
18011	Boone County	*	*				
	Hamilton County	*	*				
	Hancock County	*	*				
	Hendricks County	*	*				
	Johnson County	*	*				
	Madison County	*					
	7 Marion County	*	*				
	Morgan County	*	*				
	Shelby County	*	*				
	Jack	sonville	, FL M	SA			
FIPS	Metropolitan Area and Component		1990				
12019	9 Clay County	*	*				
	1 Duval County	*	*				
	9 Nassau County	*	*				
	9 St. Johns County	*	*				

	Kansas	City, N	10-KS	MSA
FIPS	Metropolitan Area and Component	1999	1990	Remarks
			KA	
	Johnson County, KS	*	*	Kansas City was divided into Kansas, KS
	Leavenworth County, KS	*	*	and Kansas MO MSAs in 1990
	Miami County, KS	*	*	
20209	Wyandotte County, KS	*	*	
			MO	
29037	Cass County, MO	*	*	
	Clay County, MO	*	*	
	Clinton County, MO	*		
	Jackson County, MO	*	*	
	Lafayette County, MO	*	*	
	Platte County, MO	*	*	
29177	Ray County, MO	*	*	
		egas, NV	-AZ M	SA
	Metropolitan Area and Component	1999	1990	Remarks
	Mohave County, AZ	*		
	Clark County, NV	*	*	
32023	Nye County, NV	*		
	Los Angeles-Rivers	ide-Ora	nge Cou	inty, CA CMSA
FIPS	Metropolitan Area and Component	1999	1990	Remarks
	Los Angeles-Long Beach, CA PMSA			
6037	Los Angeles County	*	*	
	Orange County, CA PMSA			
	Orange County	*	*	
	Riverside-San Bernardino, CA PMSA			
	Riverside County	*	*	
6071	San Bernardino County	*	*	
	Ventura, CA PMSA			
6111	Ventura County	*	*	
	Louis	ville, KY	-IN MS	SA
	Metropolitan Area and Component	1999	1990	Remarks
	Clark County, IN	*	*	
	Floyd County, IN	*	*	
	Harrison County, IN	*	*	
	Scott County, IN	*		
	Bullitt County, KY	*	*	
	Jefferson County, KY	*	*	
	Oldham County, KY	*	*	
21211	Shelby County, KY		*	

	Memphis, TN-AR-MS MSA							
FIPS	Metropolitan Area and Component	1999	1990	Remarks				
	Crittenden County, AR	*	*					
	DeSoto County, MS	*	*					
	Fayette County, TN	*						
	Shelby County, TN	*	*					
	Tipton County, TN	*	*					
11101								
	Miami-Fort Lauderdale, FL CMSA							
FIPS	Metropolitan Area and Component	1999	1990	Remarks				
	Fort Lauderdale, FL PMSA							
12011	Broward County	*	*					
	Miami, FL PMSA							
12025	Dade County		*					
12086	Miami-Dade County	*						
	Milwauk							
FIPS	Metropolitan Area and Component	1999	1990	Remarks				
	Milwaukee-Waukesha, WI PMSA							
	Milwaukee County	*	*					
	Ozaukee County	*	*					
	Washington County	*	*					
55133	Waukesha County	*	*					
	Racine, WI PMSA							
55101	Racine County	*	*					
			1 7 7 7	NATIONAL AND A				
	Minneapoli							
FIPS	Metropolitan Area and Component	1999	1990	Remarks				
	Anoka County, MN	*	*					
	Carver County, MN	*	*					
27025	Chisago County, MN	*	*					
	Dakota County, MN	*	*					
	Hennepin County, MN	*	*					
	Isanti County, MN	*	*					
	Ramsey County, MN	*	*					
	Scott County, MN	*	+					
1	Sherburne County, MN	*	*					
	Washington County, MN	*	*					
	Wright County, MN	*	+					
	B Pierce County, WI	*	*					
5510	St. Croix County, WI	<u> </u>						

	Nashville, TN MSA					
FIPS	Metropolitan Area and Component	1999		Remarks		
47021	Cheatham County	*	*			
	Davidson County	*	*			
	Dickson County	*	*			
	Robertson County	*	*			
	Rutherford County	*	*			
	Sumner County	*	*			
	Williamson County	*	*			
	Wilson County	*	*			
			<u> </u>			
	New	Orleans,	LA MS	5A		
FIPS	Metropolitan Area and Component	1999	1990	Remarks		
22051	Jefferson Parish	*	*			
	Orleans Parish	*	*			
22075	Plaquemines Parish	*				
22087	St. Bernard Parish	*	*			
22089	St. Charles Parish	*	*			
22093	St. James Parish	*				
22095	St. John the Baptist Parish	*	*			
22103	St. Tammany Parish	*	*			
	Norfolk-Virginia Bea	ch-New	port Ne	ws, VA-NC MSA		
FIPS	Metropolitan Area and Component	1999		Remarks		
37053	Currituck County, NC	*				
51073	Gloucester County, VA	*	*			
	Isle of Wight County, VA	*				
51095	James City County, VA	*	*			
	Mathews County, VA	*				
51199	York County, VA	*	*			
51550	Chesapeake city, VA	*	*			
51650	Hampton city, VA	*	*			
51700	Newport News city, VA	*	*			
	Norfolk city, VA	*	*			
51735	Poquoson city, VA	*	*			
51740	Portsmouth city, VA	*	*			
51800	Suffolk city, VA	*	*			
	Virginia Beach city, VA	*	*			
	Williamsburg city, VA	*	*			
						
		———L		· · · · · · · · · · · · · · · · · · ·		

	Oklaho	ma City	, OK N	ISA
FIPS	Metropolitan Area and Component	1999		Remarks
	Canadian County	*	*	
	Cleveland County	*	*	
	Logan County	*	*	
	McClain County	*	*	
	Oklahoma County	*	*	
	Pottawatomie County	*	*	
		ando, F		
FIPS	Metropolitan Area and Component	1999	1990	Remarks
12069	Lake County	*		
	Orange County	*	*	
12097	Osceola County	*	*	
12117	Seminole County	*	*	
			<u> </u>	
	Philadelphia-Wilmington	-Atlanti	c City,	PA-NJ-DE-MD CMSA
FIPS	Metropolitan Area and Component	1999	1990	Remarks
	Atlantic-Cape May, NJ PMSA			
34001	Atlantic County	*		_
34009	Cape May County	*		
	Philadelphia, PA-NJ PMSA			
34005	Burlington County, NJ	*	*	
	Camden County, NJ	*	*	
	Gloucester County, NJ	*	*	
	Salem County, NJ	*	*	
	Bucks County, PA	*	*	4
	Chester County, PA	*	*	
	Delaware County, PA	*	*	
	Montgomery County, PA	*	*	
42101	Philadelphia County, PA	*	*	
	Vineland-Millville-Bridgeton, NJ PMS		_	
3401	Cumberland County	*	*	
	Wilmington-Newark, DE-MD PMSA		1	
L	New Castle County, DE	*	*	
24013	Cecil County, MD	*	*	
3402	1 Mercer County		*	

	Phoenix-Mesa, AZ MSA					
FIPS	Metropolitan Area and Component	1999		Remarks		
4013	Maricopa County	*	*			
	Pinal County	*				
TO TO CO	Pitt	sburgh,	PA MS	A		
FIPS	Metropolitan Area and Component	1999	1990	Remarks		
	Butler County	*	PI	Pittsburgh, PA was divided into two		
42007	Beaver County	*	*	MSAs in 1990		
			BE	Beaver County, PA PMSA		
42003	Allegheny County	*	*	Pittsburgh, PA PMSA		
42051	Fayette County	*	*			
	Washington County	*	*			
42129	Westmoreland County	*	*			
	Portland-	Salem, C	R-WA	CMSA		
FIPS	Metropolitan Area and Component	1999		Remarks		
	Portland-Vancouver, OR-WA PMSA					
41005	Clackamas County, OR	*	*			
41009	Columbia County, OR	*				
41051	Multnomah County, OR	*	*			
41067	Washington County, OR	*	*			
41071	Yamhill County, OR	*	*			
	Clark County, WA	*	*			
	Salem, OR PMSA			Salem was not part of the CMSA in 1990.		
41047	Marion County	*		baroni was not part of the CIVISA in 1990.		
	Polk County	*				
ETDC	Raleigh-Durh					
FIPS	Metropolitan Area and Component	1999	1990	Remarks		
37037	Chatham County	*				
	Durham County	*	*			
	Franklin County	*	*			
	Johnston County	*				
	Orange County	*	*			
3/183	Wake County	*	*			
	Pac	hester, N	VMCA			
FIPS	Metropolitan Area and Component	1999		Remarks		
	Genesee County	*	1770	Managara		
	Livingston County	*	*			
	Monroe County	*	*			
	Ontario County	*	*			
	Orleans County Orleans County	*	*			
	Wayne County	*	*			
2011/	vi ayric County	T				

	Sacramento-Yolo, CA CMSA					
FIPS	Metropolitan Area and Component	1999		Remarks		
	Sacramento, CA PMSA					
6017	El Dorado County	*	*			
	Placer County	*	*			
	Sacramento County	*	*			
	Yolo, CA PMSA					
6113	Yolo County	*	*			
	Salt Lake					
FIPS	Metropolitan Area and Component	1999		Remarks		
	Davis County	*	*			
49035	Salt Lake County	*	*			
49057	Weber County	*	*			
		<u> </u>				
		Antonio,				
FIPS	Metropolitan Area and Component	1999		Remarks		
48029	Bexar County	*	*			
48091	Comal County	*	*			
48187	Guadalupe County	*	*			
48493	Wilson County	*				
		Diego, C				
FIPS	Metropolitan Area and Component	1999	<u> </u>	Remarks		
6073	San Diego County	*	*			
		<u> </u>		CA CMCA		
	San Francisco-C					
FIPS	Metropolitan Area and Component	1999	1990	Remarks		
	Oakland, CA PMSA					
	Alameda County	*	*			
6013	Contra Costa County	*	*			
	San Francisco, CA PMSA					
	Marin County	*	*			
	San Francisco County	*	*			
6081	San Mateo County	*	*			
	San Jose, CA PMSA					
6085	Santa Clara County	*	*			
	Santa Cruz-Watsonville, CA PMSA	<u> </u>	<u> </u>			
6087	7 Santa Cruz County	*	*			
	Santa Rosa, CA PMSA	<u> </u>	ļ			
6097	Sonoma County	*	*			
	Vallejo-Fairfield-Napa, CA PMSA					
	Napa County	*	*			
6095	Solano County	*	*			

TITE	Seattle-Tacon	na-Bren		
FIPS	Metropolitan Area and Component	1999	1990	Remarks
	Bremerton, WA PMSA			
53035	Kitsap County	*		
	Olympia, WA PMSA			
53067	Thurston County	*		
	Seattle-Bellevue-Everett, WA PMSA			
53029	Island County	*		
	King County	*	*	
53061	Snohomish County	*	*	
	Tacoma, WA PMSA			
53053	Pierce County	*	*	
	St. Lo	ouis, MC	O-IL MS	SA
FIPS	Metropolitan Area and Component	1999	1990	Remarks
			AL	
17083	Jersey County, IL	*	*	St. Louis was divided into 3 PMSAs in
17119	Madison County, IL	*	*	Alton-Granite City, IL PMSA
<u> 29055</u>	Crawford County, MO (pt.)**	*		East St. Louis-Belleville, IL PMSA
			EAST	St. Louis, MO-IL PMSA
	Clinton County, IL	*	*	** The portion of St. Louis in Crawford
17163	St. Clair County, IL	*	*	county is not used by Census Bureau for
			St.Lo	reporting data
	Monroe County, IL	*	*	
29071	Franklin County, MO	*	*	
29099	Jefferson County, MO	*	*	
29113	Lincoln County, MO	*		
29183	St. Charles County, MO	*	*	
29189	St. Louis County, MO	*	*	
29219	Warren County, MO	*		
29510	St. Louis city, MO	*	*	The state of the s
	Tampa-St. Peters	sburg-C	learwat	ter, FL MSA
IPS	Metropolitan Area and Component	1999		Remarks
	Hernando County	*	*	
12057	Hillsborough County	*	*	
2101	Pasco County	*	*	
12103	Pinellas County	*	*	

	Washington-Baltin		1000	Remarks
IPS	Metropolitan Area and Component	1999		Baltimore and Washington, D.C. were
	Baltimore, MD PMSA	*	BA *	I control of the cont
	Anne Arundel County		*	separate MSAs in 1983
	Baltimore County	*		
	Carroll County	*	*	
	Harford County	*	*	
24027	Howard County	*	*	
24035	Queen Anne's County	*	*	
	Baltimore city	*	*	
	Hagerstown, MD PMSA		HA	Hagerstown was not included in a "large"
24043	Washington County	*	*	MSA in 1990
	Washington, DC-MD-VA-WV PMSA		WA	
11001	District of Columbia	*	*	
	Calvert County, MD	*	*	
	Charles County, MD	*	*	
	Frederick County, MD	*	*	
	Montgomery County, MD	*	*	
24033	Prince George's County, MD	*	*	
	3 Arlington County, VA	*	*	
	3 Clarke County, VA	*		
	7 Culpeper County, VA	*	 	
	P Fairfax County, VA	*	*	
	1 Fauquier County, VA	*	†	
	9 King George County, VA	*	 	
	7 Loudoun County, VA	*	*	
5110	3 Prince William County, VA	*	*	
		*		
	7 Spotsylvania County, VA	*	*	
	9 Stafford County, VA	*	<u> </u>	
	7 Warren County, VA	*	*	
	0 Alexandria city, VA	*	*	
	0 Fairfax city, VA	*	*	
	0 Falls Church city, VA	*		
	0 Fredericksburg city, VA	*	*	
	3 Manassas city, VA		*	
	5 Manassas Park city, VA	*		
	3 Berkeley County, WV	*		
5403	7 Jefferson County, WV	*		
	·			
	West Palm B			
FIPS	1			Remarks
1209	9 Palm Beach County	*	*	